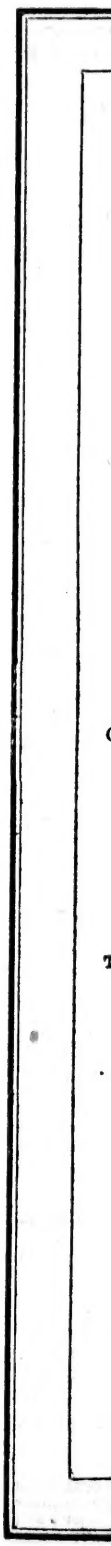


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*H C Surveys from C.L.G.*

MACLEAR & CO.'S  
(LATE SCOBIE'S)  
CANADIAN ALMANAC,  
AND  
Repository of Useful Knowledge,  
FOR THE YEAR  
**1855,**  
BEING THE THIRD AFTER LEAP YEAR,  
CONTAINING FULL AND AUTHENTIC COMMERCIAL, STATISTICAL, ASTRONOMICAL  
DEPARTMENTAL, ECCLESIASTICAL, EDUCATIONAL, FINANCIAL, AND  
GENERAL INFORMATION.

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THE ASTRONOMICAL CALCULATIONS, WHICH ARE SUITED TO EVERY PART OF  
THE BRITISH PROVINCES IN NORTH AMERICA, HAVE BEEN MADE  
EXPRESSLY FOR THE CANADIAN ALMANAC.

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TORONTO:  
MACLEAR & CO., 16, KING STREET EAST.  
SOLD BY BOOKSELLERS AND STOREKEEPERS GENERALLY THROUGHOUT  
THE BRITISH AMERICAN PROVINCES.

# Maclear & Co.'s Canadian Almanac,

(LATE SCOBIE'S) 126788

## FOR THE YEAR 1855.

CHRONOLOGICAL CYCLES, &c., 1855.

Dominical Letter .....	G
Lunar Cycle, or Golden Number .....	13
Jewish Lunar Cycle .....	10
Epact (Moon's Age, January 1st) .....	12
Solar Cycle .....	16
Roman Indiction, .....	13
Dionysian Period .....	184
Julian Period .....	6568
The year 5516 of the Jewish Era com. Sept. 13 .....	1855
The year 1272 of the Moham. Era com. Sept. 13.....	1855
Year of the World (Usher) .....	5859
Year of the World (Jews) .....	5615
Year of the World (Septuagint) .....	7363
Year A. U. C. (Building of Rome) .....	2628
Year of the Olympiads .....	2631
Year of the Era of Nabonassar .....	2604
The 19th of Her Majesty's Reign begins June 20th ...	1855
The 80th of the Indep. U. S. begins July 4th .....	1855

FIXED AND MOVEABLE FEASTS, &c., 1855.

Septuagesima Sunday.....	Fel'y 4
Quinquagesima Sunday.....	Fel'y 18
Ash Wednesday, or First of Lent .....	Fel'y 21
Quadra. First Sunday in Lent .....	Fel'y 25
Mid Lent Sunday.....	Mar. 18
Palm Sunday .....	April 1
Good Friday .....	April 6
EASTER SUNDAY.....	April 8
Low Sunday.....	April 15
Rogation Sunday.....	May 13
Ascension Day—Holy Thursday.....	May 17
Whit Sunday—Pentecost .....	May 27
Trinity Sunday .....	June 3
Corpus Christi .....	June 7
Middle Day of the Year .....	July 2
Advent Sunday .....	Dec. 2
Birth of Queen Victoria.....	May 24
Birth of Prince Albert .....	Aug. 26

THE SEASONS, 1855.—TORONTO.

	D.	H.	M.
Winter Solstice (1854) Dec. 21. ....	9	43	even.
Vernal Equinox, March 20, 1855 .....	10	51	even.
Summer Solstice, June 21 .....	7	32	even.
Autumnal Equinox, September 23 .....	9	43	mor.
Winter Solstice, December 22.....	3	41	mor.
Sun in Winter Signs .....	89	1	8 mor.

THE SEASONS, 1855.—TORONTO.

	D.	H.	M.
Sun in Spring Signs .....	92	20	41
Sun in Summer Signs.....	93	14	11
Sun in Autumnal Signs.....	89	17	43
Tropical Year .....	365	5	45
Sun North of Equator .....	186	10	52
Sun South of Equator .....	178	18	56

MORNING STARS, 1855.

Venus from Oct. 1st, to July 19th, 1855.  
Mars from April 9th, to April 1st, 1856.  
Jupiter from Jan. 29th to Aug. 21.  
Saturn from June 10 to Dec. 18.

EVENING STARS, 1855.

Venus until Oct. 1, 1855.  
Mars to April 9, 1855.  
Jupiter to Jan. 29, 1855; and from Aug. 21, to March 5, 1856.  
Saturn until June 10, 1855, and from Dec. 18.

### TO THE READER.

**SUN'S RISING AND SETTING.**—There are two kinds of time used in common Almanacs, for the Sun's Rising and Setting. One is *Clock time*, and the other is *Apparent* or *Sun time*. *Clock time* is *always right*, while *Sun time* *varies* every day, and is alternately too "Fast" or too "Slow." Hence it is that two almanacs, made by the same calculator, for the same year and place, will give the sun's rising and setting very differently, if a *different* kind of time is used in each. Persons observing this must not think that either is wrong. According to apparent time, the sun will always rise and set at six o'clock, at the time of its crossing the equinoctial; but this is never the case according to *Clock time*, or *true time*. If the Sun was in the meridian, or at the noon mark, at 12 o'clock every day, then *apparent time* would be true, and the sun would always rise and set at 6 o'clock, when it was at the equinoxes. People generally suppose it is 12 o'clock when the sun is in mid-heaven, or at the noon mark. In *this* there is a great mistake, for the sun is so irregular, that it does not come to these points at 12 o'clock oftener than four times in a whole year, or about once in every three months. In *this* almanac we give the time exact to the nearest second, that a correct clock must show, when the sun is in the meridian and shadow at the noon mark, for every day in the year. When the sun is at the noon mark it is *noon*, but not twelve o'clock very often.

This variation of the sun makes a difference between it and all true time-pieces, and produces two kinds of "Equation of Time," or the difference between clock and sun. Add to apparent time when Sun is "Slow," and subtract when it is "Fast." Many almanacs are calculated in sun or apparent time, for the convenience of those who are accustomed to it. Such almanacs do not allow for the variation of the sun, besides this may show the rising and setting of the sun's *centre*, without allowing for the effect of refraction, and are therefore both inconvenient and incorrect according to mean time. Almanacs in *clock time* are the best ones, for they give the rising and setting of the sun's *upper limb*, and duly allow for the effect of refraction, which causes the sun to appear on the horizon a short time before he has risen, and after he has really set. This almanac is in *clock time*, or mean time.

### TO ASCERTAIN THE LENGTH OF THE DAY AND NIGHT.

At any time of the year, add 12 hours to the time of the Sun's setting, and from the sum subtract the time of rising, for the length of the day.

Subtract the time of setting from 12 hours, and to the remainder add the time of rising next morning, for the length of the night. These rules are equally true for *apparent time*.

### EXPLANATION OF THE SIGNS USED IN THIS ALMANAC.

☉ New Moon, and Moon generally. ☾ First Quarter. ○ Full Moon. ☾ Last Quarter.  
☾ Moon's ascending Node. ☾ descending Node. ● in Apogee—farthest from the earth.  
● in perigee—nearest to the earth. ● Highest—Moon farthest North. ● Lowest—Moon farthest South. ♄ Saturn. ♀ Venus. ♂ Near together. ♃ Jupiter. ☿ Mercury. □ 90° apart, ♁ Opposition, or 180° apart. ♂ Mars. ★ Stars. ☼ Sun. ♃ Herschel. ♆ Neptune.

### DIRECTIONS FOR FINDING THE TRUE TIME.

The Sun, as we have stated before, is on the meridian at 12 o'clock on four days only of the year. It is sometimes as much as 16½ minutes before or after twelve when its shadow strikes the noon mark on the sun-dial. On each calendar page of this Almanac is shown the exact time when the sun reaches the meridian, or the shadow the noon mark; and in order to set a clock or watch correctly, it must, when it is noon by the sun dial or noon mark, be set at the time

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.. Feb'y 4  
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.. Feb'y 21  
.. Feb'y 25  
.. Mar. 18  
.. April 1  
.. April 6  
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.. April 15  
.. May 13  
.. May 17  
.. May 27  
.. June 3  
.. June 7  
.. July 2  
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Aldebaran  
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Castor

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indicated in the Almanac. Thus, on the 25th of January, when the Sun is on the noon mark, the watch must be set 12 minutes and 38 seconds past twelve, which will be the true time. The practice of setting time-pieces by the rising or setting of the Sun or Moon, is not strictly correct; as the unevenness of the earth's surface and intervening objects, such as hills and forests, near the points of rising and setting, occasion a deviation, in every place, from the time expressed in the Almanac, which time is adapted to a smooth, level horizon. The only means of keeping correct time, is by the use of a noon-mark, or a meridian-line.

### ASTRONOMICAL NOTES FOR 1855.

The Moon will run farthest south this year on the 16th of October, to the 6th degree of Sagittarius, having a declination of  $27^{\circ} 59$  min. 51.6 sec. S. It will run farthest north on the 29th of October, to the 6th degree of Gemini, having a declination of  $28^{\circ} 0$  min. 14 sec. N. This is the greatest declination the Moon has had, or will have in many years. The geocentric longitude of the Moon's descending Node in the middle of this year is  $39^{\circ} 49$  min. 9 sec.

The Sun will be north of the equator this tropical year, dating from the Solstice of Dec. 21st 1854, 186 days, 10 h. 52 m.; and south of it 178 days, 18 h. 56 m.; showing a difference of 7 days, 15 h. 56 m., which is caused by the slower motion of the earth when north of the equator, being then in or near its aphelion.

Distance of the Sun from the earth, January 1st, 93,505,607 miles; July 3rd, 96,695,200 miles; December 31st, 93,507,857 miles; mean distance, April 2nd and October 2nd, 95,103,000 miles.

Venus will be brightest on the 25th of August, at which time it will be a beautiful evening star, appearing in the west after sunset. Venus will be invisible for nearly two weeks before and after 1st of October, and it will be brightest again on the 6th of November, when it will show off splendidly in the east as morning star.

Mercury will be brightest about February 15th, June 11th; Oct. 8th; when it will be in a position as Evening Star in the west, that is favourable for visibility. It will be brightest again about April 5th, August 4th, and Nov. 22, when it will be Morning Star. In the east, and will probably be visible. The chance of seeing Mercury on the 8th of Oct. and Nov. 22nd is quite unfavourable.

Jupiter will be in Aquarius nearly all of the year. This planet is working toward the north. Saturn will be in Taurus the whole of the year. Uranus will be in Aries all of the year. Neptune will be in Aquarius.

The Rings of Saturn will be in a favourable position for visibility all of this year.

The southern surface of these rings are now visible from the earth. The maximum apparent diameter is obtained in December. Saturn will be invisible for about two weeks before and after June 10th. The opposition will take place on the 18th of December.

### TABLE,

*Shewing the Illuminated portion of the Discs of Venus and Mars.*

The numbers given in this table represent the sizes of the illuminated portion of the Discs—the apparent diameters of the planets being considered at unity.

1855.	Venus.	Mars.	1855.	Venus.	Mars.
January 15	0.991	0.987	July 15	0.531	0.982
February 14	0.968	0.994	August 15	0.343	0.969
March 15	0.929	0.990	September 15	0.078	0.952
April 15	0.865	1.000	October 15	0.060	0.934
May 15	0.780	0.998	November 15	0.337	0.917
June 15	0.667	0.992	December 15	0.521	0.905

### Star Table.

To ascertain when any star found in the following table will be on the meridian, *add* the numbers opposite in the left-hand column of figures to the preceding meridian transit of the north Star found in the calendar pages. For the *Rising* of a star, *subtract* the number opposite in the right-hand column of figures from its meridian passage. For the *Setting* of a Star, *add* the same number to its meridian passage. Those marked (.....) revolve in a circle of perpetual apparition, and do not rise or set north of the latitude of Toronto (Lat.  $43^{\circ} 39$  min. 35 sec. N.) for which latitude the semi-diurnal arcs are calculated and corrected. The civil day begins at the preceding midnight, and consequently 24 hours after midnight, or 12 hours from noon, is *morning* of the succeeding day; and 24 to 36 hours from noon, is *evening* of the next day. This table is arranged in the order of culmination.

Stars.	Constellation	In Me R & S	Stars.	Constellation	In Me R & S	Stars.	Constellation	In Me R & S
Almaach	Andromeda	h. m. h. m.	*Pointers	Canis Minor	h. m. h. m.	Beta	Ursa Minor	h. m. h. m.
Alpha	Aries	0 48 9 50	Procyon	6 24 6 20	6 24 6 20	Zubenelg	Libra	13 43 .....
Mira	The Whale	0 52 7 33	Pollux	6 29 8 3	6 29 8 3	Alphacca	N. Crown	14 1 5 25
Menkar	The Whale	1 6 5 46	Aenubens	6 51 2 31	6 51 2 31	Antares	Scorpio	14 20 7 56
Algol	Perseus	1 48 6 13	Naos	7 45 6 48	7 45 6 48	Alpha	Hercules	15 12 4 8
Algenib	Perseus	1 52 9 36	Alphard	Hydra	8 1 5 28	Alpha	Hercules	15 59 6 56
Alcyone	7 Stars	2 7 .....	Re ulus	Leo	8 55 6 48	Alpha	ophiuchus	16 19 6 48
Aldebaran	Taurus	2 32 7 38	* Verak }	Big Dipper	9 47 .....	Vega	Lyra	17 23 9 18
Capella	Auriga	3 21 7 3	{ Dubhe }	Big Dipper	9 47 .....	Beta	Lyra	17 36 8 33
Rigel	Orion	3 59 11 16	Denebola	Leo	0 34 7 0	Altair	Aquila	18 34 6 31
El Nath	Taurus	4 1 5 27	Phad	Big Dipper	0 38 .....	Deneb	Cygnus	19 27 10 43
Bellatrix	Orion	4 10 8 3	Alcorab	The Crow	1 14 4 57	Fomalhaut	S. Fish	21 46 5 43
Mintaka	Orion	4 10 6 23	Alloth	Big Dipper	1 39 .....	Scheat	Pegasus	21 47 7 57
Phaet	The Dove	4 18 5 58	Spica	Virgo	2 9 5 19	Markab	Pegasus	21 48 6 56
Petelgueso	Orion	4 28 3 18	Mizar	Big Dipper	2 16 .....	Vr. Equinox	Pisces	22 50 5 59
Sirius	Canis Minor	4 40 6 27	Benetnasch	Big Dipper	2 34 .....	Alcenib	Pegasus	22 50 6 56
Castor	Gemini	5 32 4 54	Arcturus	Bootes	3 1 7 20	Schedir	Cassiopeia	23 22 .....
		6 18 8 27	Mirac	Bootes	3 39 7 50	Mirach	Andromeda	23 53 8 45

### Explanation of the Articles in the Calendar.

THESE PAGES are calculated for Toronto, and for a point midway between Montreal and Quebec, which point is about on the latitude of Three Rivers and Fredericton. They will serve very accurately for every *City and Town in the British Provinces in North America.*

THE SUN'S RISING and SETTING, is given in mean time; and for Toronto, it is corrected for a mean horizontal refraction of 36" 6.86 sec. of arc, and is also suited to the *upper limb.*



Spanish R. La Cloche Mountains  
2000 feet above the Sea

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The Dufferin  
Squaw I.  
Lonely I.  
Flavel Island I.  
Beaver Run  
Flower Pot I.  
Lake of Carls  
Cape Huron  
Wingfield P.  
Cabots Head  
Dyer Bay

Indian River  
Igloo I.  
Chagato or  
Pohang I.  
Riv au Sablon  
Cherry I.  
Douglas P.  
Pentagore  
Clark P.  
Fort Albert

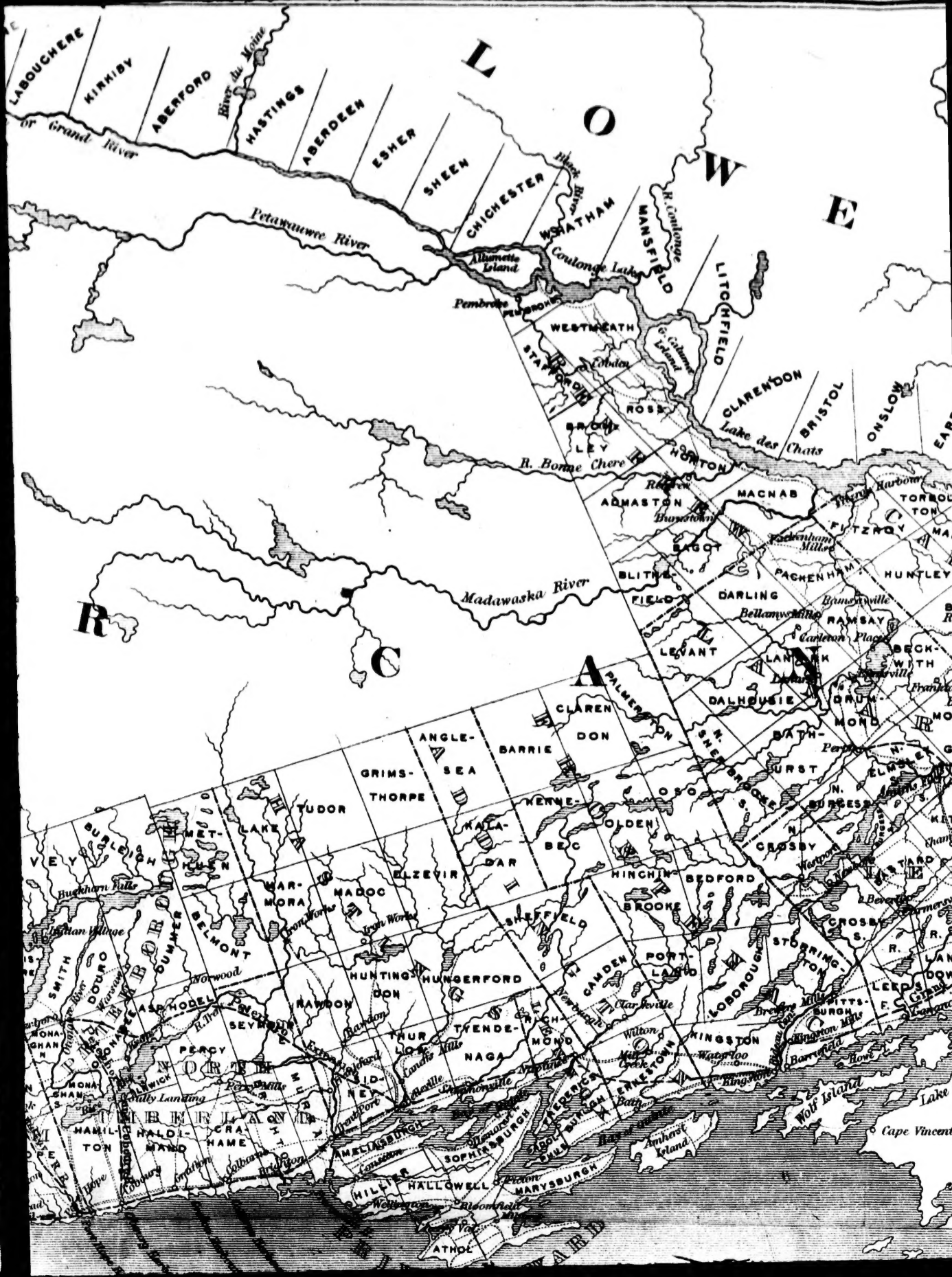
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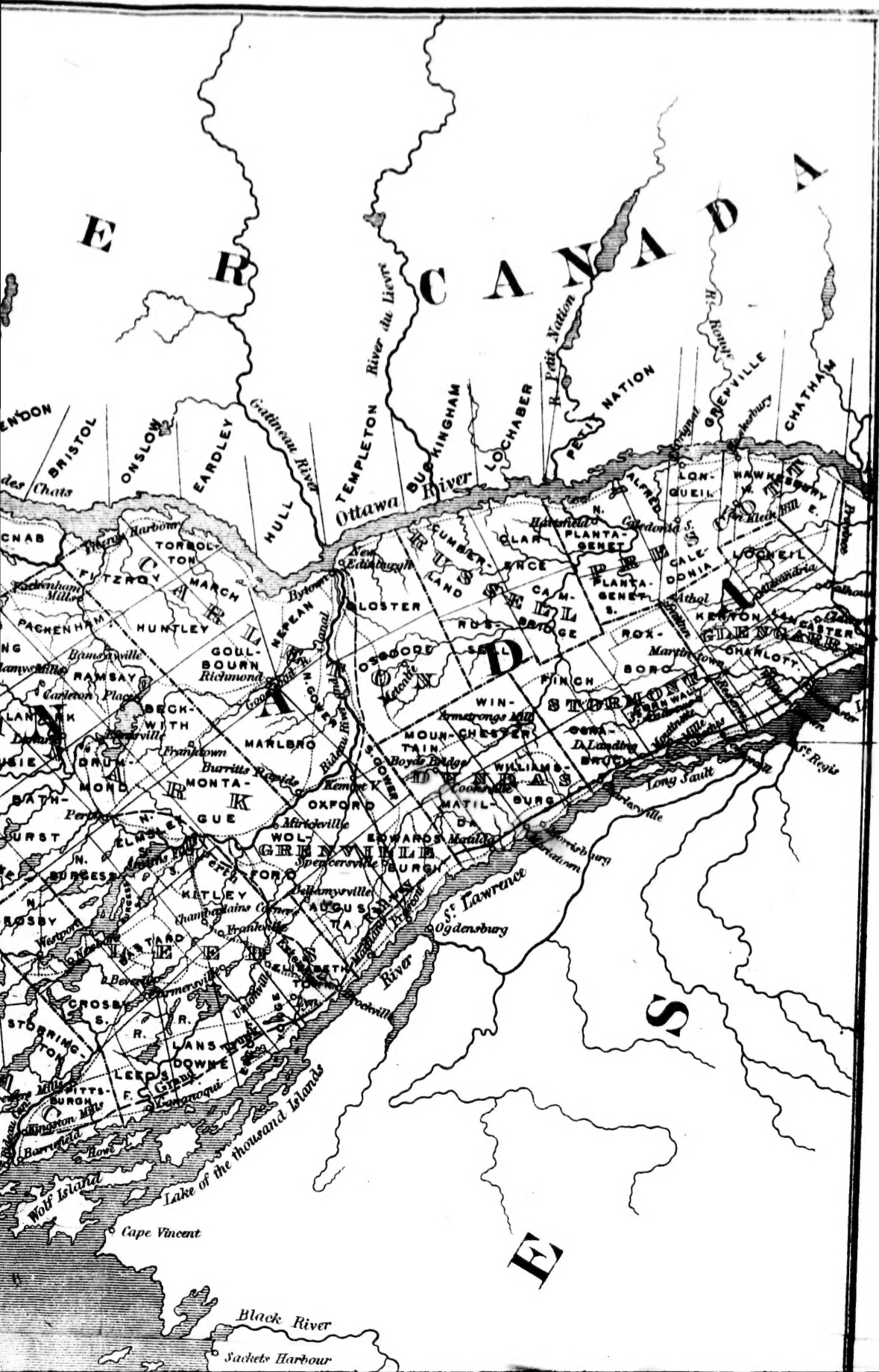
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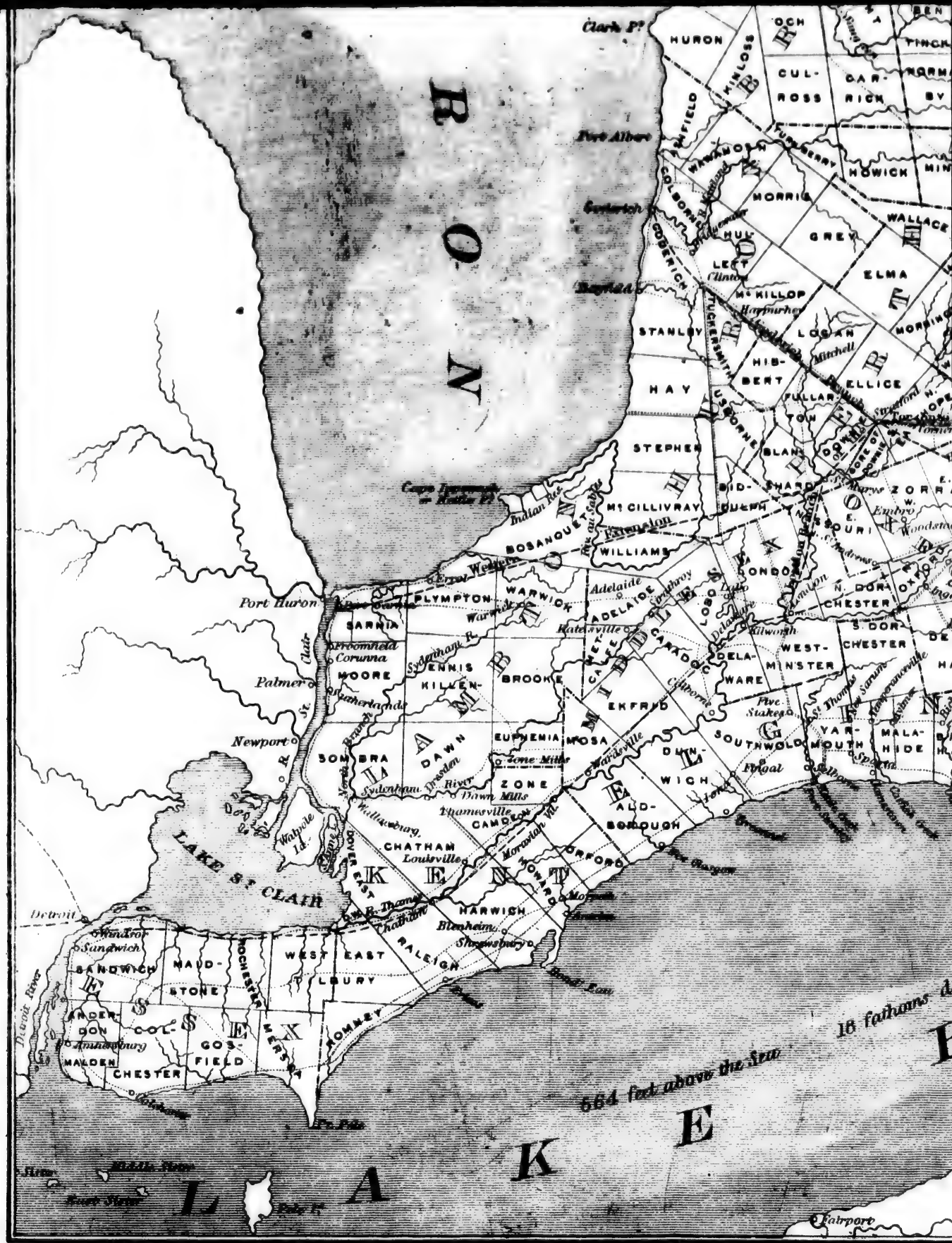
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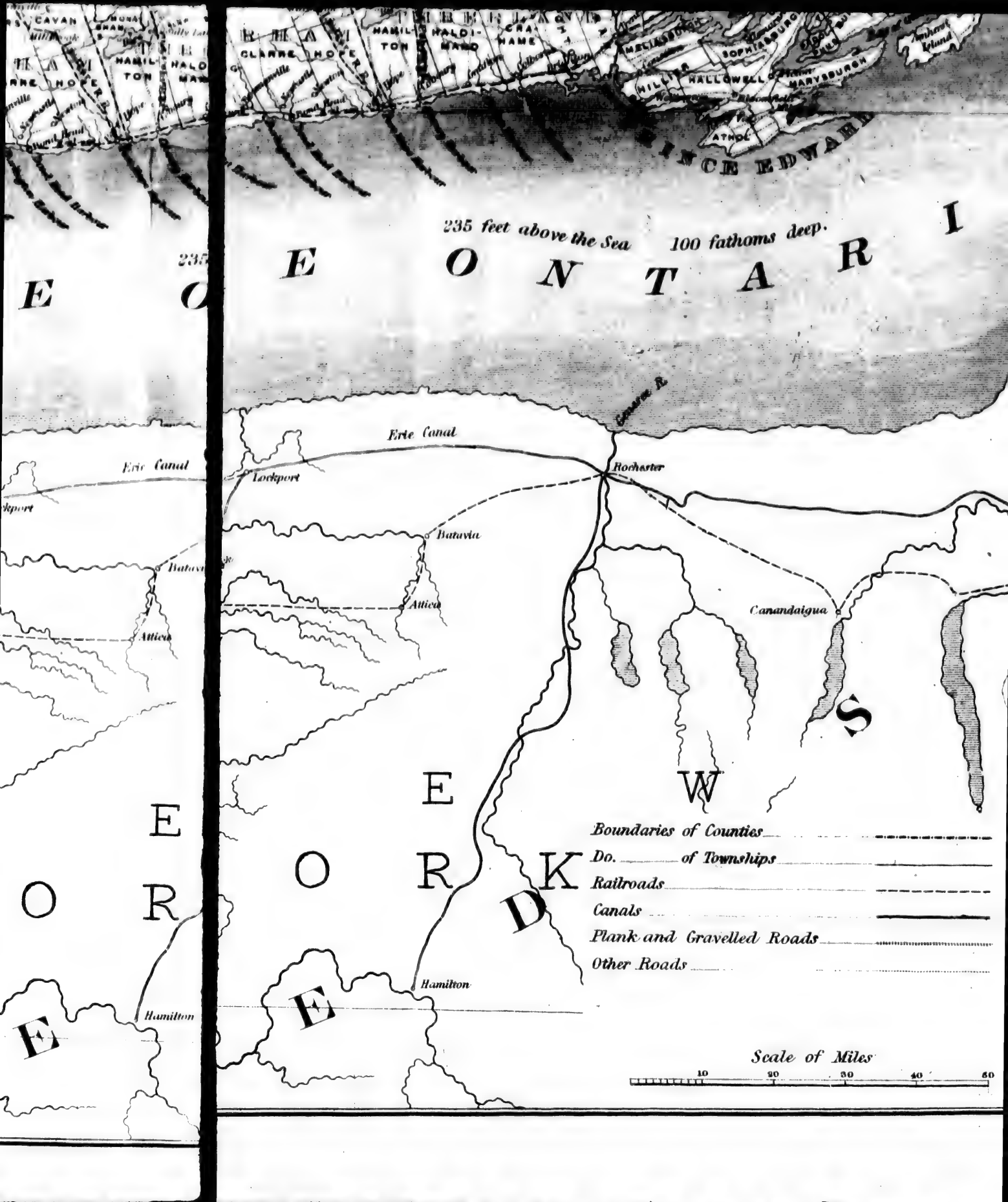


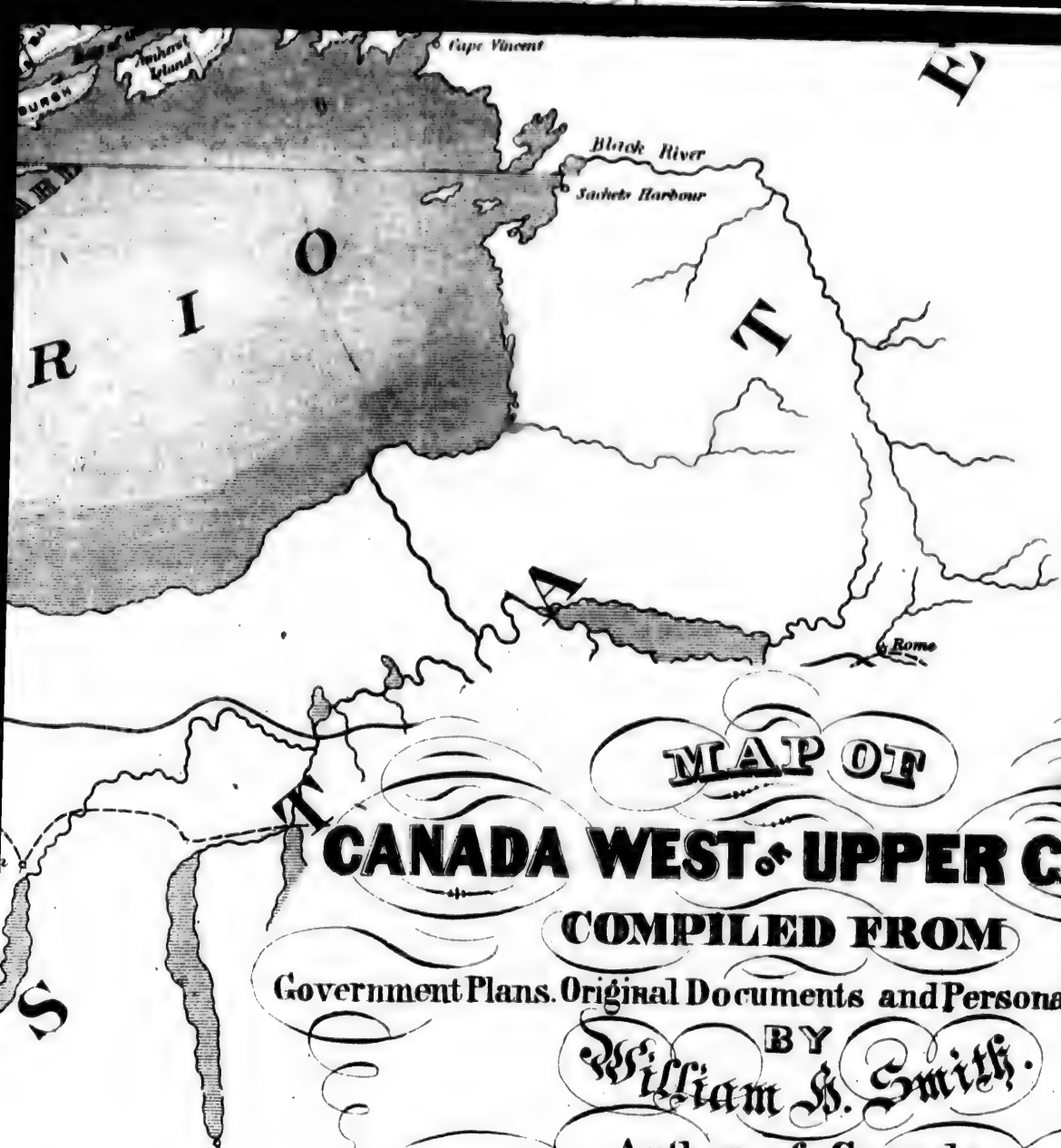












**MAP OF  
CANADA WEST & UPPER CANADA**

**COMPILED FROM**

**Government Plans. Original Documents and Personal Observation**

**BY  
William S. Smith.**

**Author of Canada**

**PAST PRESENT AND FUTURE**

**WITH**

**ALTERATIONS and ADDITIONS**

*to the present time for the*

**CANADIAN ALMANAC**

**1855.**

**Maclear & Co. Toronto.**

*Miles*  
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**THE MOON'S RISING** is given from Full to Change, and the setting from Change to Full.

**MOON'S PLACE.**—The symbols and numbers in this column indicate the Moon's place in the Signs or Constellations of the Zodiac, to the nearest degree of longitude, at 7 o'clock P.M. Toronto Time. Places being regarded the first of the signs.

**MOON'S AGE.**—This column shows to the nearest tenth of a day, the Moon's age at noon, Toronto.

**MOON SOUTH.**—This column shows the time the Moon is "south," or in the meridian of Toronto, and is nearly the same for all parts of the Provinces.

**TWILIGHT.**—This table shows at intervals of six days, the times of beginning of twilight in the morning, and of the end at evening—the sun, at the computed instants, being 80 degrees below the horizon.

**THE MOON'S PHASES.**—This table shows the time for two meridians, when the Moon passes the geocentric longitudes of 0 dg., 90 dg., 180 dg., and 270 dg., from the Sun.

**THE COLUMN OF "POLE STAR IN MERIDIAN,"** shows for every day in the year, the exact time when the North Star makes its transit over the upper meridian of longitude, 5 h. 8 m. 12 s., west of Greenwich, and is sufficiently exact for ordinary use in all of the British Provinces.

The time of the Lower TRANSIT for any given day may be found by adding 31 h. 58 m. 2.045 s. to the time of the preceding Upper Transit. This column is designed to facilitate the computation of the Rising, Setting, and Meridian Passage of the brightest Fixed Stars, by using the numbers opposite the same in the Star Table. It will also be found of some service to surveyors and astronomers. When great exactness is required, the meridian passage of the Pole Star, for several places, may be obtained by applying the following corrections to the times expressed in the calendar pages. For Toronto, subtract 2.55 seconds; for Kingston, add 0.22 sec.; for Montreal add 2.24 sec.; for Quebec, add 3.36 sec.; for Fredericton, add 6.32 sec.; and for Halifax, add 8.78 sec.

The times of greatest eastern elongation of the Polar Star, may be found for any day by *subtracting* the following constants from the time of Upper Transit; and the time of greatest Western elongation may be found by *adding* the same constants. For Toronto, 5 h. 53 m. 26.9 sec.; for Kingston, 5 h. 53 m. 21.4 sec.; for Halifax, 5 h. 53 m. 15 sec.; for Montreal, 5 h. 53 m. 4.4 s.; for Fredericton, 5 h. 52 m. 56.8 s.; and for Quebec 5 h. 52 m. 46.75 s. In computing these constants, the mean polar distance of the North Star for 1855 was assumed at 1° 28 m., and the slight variations in that distance will not produce an error of more than two seconds in the constants, when the variations have their greatest value.

There is not sufficient room for a table of the "Azimuth of Greatest Elongation" of the Pole Star. But this can be very easily found for any place by the following formula, the star's polar distance, and the co-latitude of the place being known; the former of which is given for every day in this Almanac.

Log. Sine Azimuth = 10 + Log. Sine Polar Distance — Log. Sine co-Lat.

**NOTE.**—The Problems in this Almanac are of a highly practical character, and combine utility with the theoretical. Persons who send solutions of any of these problems, (post-paid) to the Publisher, at Toronto, before July 1st, 1855, will have the same publicly acknowledged in the issue for 1856.

### Eclipses for the Year 1855.

There will be two eclipses of the Sun and two of the Moon this year.

I. A Total Eclipse of the Moon, in the evening of May 1, visible throughout Canada. Magnitude 18.348 digits on the southern limb. The total eclipse begins 1 h. 3 m. after the beginning of the eclipse. Total duration of eclipse 3 h. 42 m. See the following table.

II. A Partial Eclipse of the Sun, May 15th, invisible in Canada.

III. A total Eclipse of the Moon, early in the morning of October 25th, visible throughout Canada. Magnitude 17.568 digits on the Moon's Northern limb. Entire duration, 3 h. 25 m. See the following table.

IV. A partial Eclipse of the Sun, Nov. 9th, invisible in Canada.

PRINCIPAL PLACES.	ECLIPSE OF MAY 1ST AND 2ND.				ECLIPSE OF OCTOBER 25TH.			
	Eclipse begins	Total begins	Total ends	Eclipse ends	Eclipse begins	Total begins	Total ends	Eclipse ends
	Eve 1st.	Eve. 1st.	Morn 2nd.	Morn 2nd.	Morn 25th.	Morn 25th.	Morn 25th.	Morn 25th.
St. John's, Newfoundland	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Halifax, Nova Scotia .....	10 45	11 48	1 24	2 27	2 15	3 10	4 45	5 46
Fredricton, N. B. ....	10 0	11 3	0 39	1 42	1 30	2 31	4 0	5 1
Quebec .....	9 47	10 50	0 27	1 29	1 17	2 18	3 47	4 48
Three Rivers .....	9 29	10 32	0 8	1 11	0 59	2 0	3 29	4 30
Montreal .....	9 24	10 27	0 3	1 6	0 54	1 55	3 24	4 25
Cornwall .....	9 20	10 23	11 59 (ev) 1st	1 2	0 50	1 51	3 20	4 21
Prescott .....	9 15	10 18	11 54	0 57	0 45	1 46	3 15	4 16
Bytown .....	9 12	10 15	11 51	0 54	0 42	1 43	3 12	4 13
Kingston .....	9 10	10 13	11 49	0 52	0 40	1 41	3 10	4 11
Cobourg .....	9 7	10 10	11 46	0 49	0 37	1 38	3 7	4 8
Toronto .....	9 2	10 5	11 41	0 44	0 32	1 33	3 2	4 3
Hamilton .....	8 57	10 0	11 36	0 39	0 27	1 28	2 57	3 58
London .....	8 54	9 57	11 33	0 36	0 24	1 25	2 54	3 55
	8 49	9 52	11 29	0 31	0 19	1 20	2 49	3 50

### Mathematical Acknowledgements.

We have the pleasure to notice a large number of Solutions of the Problems in the Almanac for 1854, from various correspondents.

We cannot print the Solutions for want of room, nor was this our design, as we do not intend to make the Almanac take the place or character of a mathematical work. The *Answers* of the Problems will be published, and those who solve them correctly will be noticed. In examining the Solutions, we have discarded mistakes in the operations, where the *principles* of working were correct. In such cases we accord to the author the honor of a right solution. We cannot pledge ourselves to look for such errors when the answers are wrong, and correspondents are requested to be very careful in the operations.

# MACLEAR CO'S CANADIAN ALMANAC.

Mr. J. L. N. O'HANLEY, P. L. Surveyor, has sent Solutions of Problems 1, 2, 4, 5, 6, 8, 9, 11, 12, 13, 15, 18, 20, 21, 22, 23, 24, 25, 26, 27, 29, 30, 31, 34, 35, 37, 39, 40, 42, 43, 45, 46, 47, 49, and Geom. Probs. 2, 3, 4, 5, 6; all of which were correct except Probs. 21, 25, 35, 40, 42, 43, 45, 46, 49, and Geom. Probs. 5 and 6.

Mr. CHARLES CLARK, C. S. Teacher, has sent us Solutions of Probs. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 17, 18, 21, 22, 23, 24, 26, 27, 29, 30, 31, 33, 34, 35, 36, 39, 40, 43, 45, 47, 49, 50, and Geom. Probs. 2, 3, 4, 5, 6. Only Probs. 27, 43, 49, and 50 were incorrect.

Mr. JOHN NILES, Kingston, C. S. Teacher, has sent solutions of Probs. 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 13, 14, 15, 18, 22, 23, 24, 25, 26, 27, 28, 31, 34, 36, 37, 38, 39, 40, 42, 43, 45, 46, 47, 49, in which only Probs. 3, 25, 27, 38, 39, 42, 43, 45, 46 and 49 were found wrong.

Mr. THOMAS GUERIN, Civil Engineer, Montreal, has forwarded to us solutions of Probs. 1, 11, 16, 27, 31, and Geom. Probs. 3 and 4, all of which are correct except Prob. 27.

Mr. THOMAS JORDAN, School Teacher, of Oxford, has furnished us with Solutions to Probs. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 20, 22, 23, 24, 25, 26, 27, 29, 30, 31, 33, 34, 36, 37, 38, 39, 40, 42, 43, 45, 46, 47, 48, 49, and Geom. Probs. 2, 3, 4, 5, and 6; in which only Probs 2, 13, 25, 27, 38, 39, 40, 42, 43, 46, 47, and Geom. Prob. 6 were solved wrongly.

Mr. JOHN O'LOANE, of Glanville, has made solutions of Probs. 1, 3, 6, 7, 8, 9, 10, 11, 12, 15, 17, 18, 21, 22, 23, 24, 26, 27, 28, 29, 30, 31, 33, 34, 37, 38, 43, 48, 49, 50, in which Probs. 10, 38 and 42 only are incorrect.

Mr. THOMAS MAGENNIS, of St. Andrews, has furnished Solutions of Probs. 1, 8, and 39, which are correct.

Mr. HENRY W. BROWN, of Crowland, has solved Prob. 23, and Geom. Prob. 1, the latter being wrong.

Mr. JAMES DEVLIN, Teacher in Maidstone, has correctly solved Probs 11, 12, and 40.

Mr. I. J. CHADWICK, of Guelph Grammar School, has sent us solutions of Probs. 2, 3, 4, 5, 6, 8, 9, 11, 12, 13, 14, 15, 20, 22, 23, 24, 25, 26, 28, 34, 35, 36, 39, 43, 47, 48, and Geom. Probs. 3, 4, and 5. Of these only Probs. 14, 36, 43, and Geom. Prob. 5 are wrong.

Mr. GEORGE W. HILL, of Clarkstown, Rockland, County of N. York, has sent us solutions of Probs. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 18, 20, 21, 23, 24, 25, 26, 27, 28, 29, 30, 31, 33, 34, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, and Geom. Prob. 2, 3, 4, 5 and 6, all of which are correct.

S. H. WRIGHT.

*Note.*—It seems that no one has attempted Probs. 19 and 32. There is a short solution to the former, and we will be glad to notice solutions of it from our correspondents next year. In Prob. 26, the glass is supposed to extend over the base of the hemisphere, and the answer is given accordingly. In Geom. Prob. 2, the obliquity of the ecliptic is taken to be  $20^{\circ} 27' 32.9''$ . In Geom. Prob. 3, the *strongest* instead of the largest rectangle was intended to be printed, and the answer on page 5, is accordingly. The literal formula in answer to Prob. 16, is too tedious and complex for insertion.—S. H. W.

## Answers to the Problems in the Almanac for 1854.

Problem 1st.  $6^{\circ} 30' 45''$ , or 449.68 miles. 2nd. 2480. 3rd.  $x = \pm \sqrt{\frac{1}{2}}$  or  $\pm \frac{1}{2}$ . 4th. 1.081382587. 5th. £109 17s. 9 57-91d. 6th.  $x = 2.1293$ . 7th. 29.31 years. 8th.  $x = 3.89598$  nearly. 9th. 2189. 10th. 0.0023028568 of the whole surface, more than half. 11th.  $x = 16$  or 1. 12th.  $x = 11$  or 5, and  $y = 5$  or 11. (*Note.*  $(x_2 + y^2) \times (x - y)$  should have been  $(x^2 + y^2) \times (x + y)$ .)

13th. 676794. 14th. A. ploughs  $\frac{348611}{695556}$ , and B.  $\frac{346945}{695556}$  of it. 15th.  $x = 2$  or 8, and  $y = 2$  or  $\frac{1}{2}$ .

16th. (Ans. too long.). 17th. 59 whole circles. 18th. Jan. 16th, 1854, at noon, or 12 o'clock. 19th.  $x = 2$ , and  $y = 6$ . 20th.  $x = 20$  or  $-22$ . 21st. A ball 1.6384 inches in diameter.

22nd. 12.426 inches in diameter. 23rd. 42925. 24th. 37.4361726816 solid inches, and 6.3271265 superficial inches. 25th. 55-79ths per cent. 26th. 1.2057714 inches. 27th. A's part 0.499375; B's 0.500625 of the bar. 28th. 12.735 inches. 29th.  $x = 4$ ,  $y = 3$ .

(*Note.* 989535 should have been 989527.) 30th.  $x = 3\frac{1}{2}$ ,  $y = 2$ . (*Note.* To the expression  $\frac{102x}{5}$  should have been added  $+16$ ).

31st. 5724 miles. 32nd. 18.686557 solid inches, 7.33 surface inches. 33rd. A cylinder  $3\frac{1}{2}$  inches high, and 8 inches in diameter. 34th. 3,804 feet from the brightest brilliant. 35th. 1.64092 feet in diameter. 36th. 739.35 lbs. 37th. 200 lbs.

38th. 197.082 feet per second; time,  $7.528\frac{1}{2}$  minutes; force 7893.3 tons. 39th. 65.97786 years. 40th. 20 oxen. 41st. 185.02 solid & 36.07 surf. in. 42nd. 200.36776 lbs on the longer cord, and 199.63224 lbs on the other. 43rd. 6665 feet exactly. 44th. 3.674226 inches, the sides of the hole,  $70^{\circ} 31' 44''$  the included angle, and 63.639612 solid inches, solid area. 45th. 400.4 feet per second, the velocity,  $1029\frac{1}{2}$  feet, the height; and 4907 feet distance. 46th.

$\frac{2016067}{14538107}$  lbs. on one stake, and  $\frac{12522040}{14538107}$  lbs on the other. 47th. The point will be

2.8633536 feet, or 62.8633536 feet from A. in the direction of B. 48th. A. in  $13\frac{1}{2}$  days, B. in 14 14-29 days, C. in 11 1-19 days, and D. in 70 days. All working together can do it in four days. 49th. 0.16347 of an inch too long. 50th. 1.5118579 times more weight.

GEOMETRICAL PROBLEMS.—No. 1. 530.4. No. 2. Torrid zone, 50105553920 acres; both Temperate zones, 65354992896 acres; and both Frigid zones together 10403856774.4 acres. Total whole earth 125864403590 acres. No. 3.  $5.77\frac{1}{2}$  feet by  $8.16\frac{1}{2}$  feet. (Should have been *strongest* instead of the largest rectangle.) No. 4.  $6\frac{1}{2}$  diameter. No. 5. 13.85 inches square. No. 6. 2.4858 feet square.

119  $\frac{2016067}{14538107}$  lbs. on one stake, and  $\frac{12522040}{14538107}$  lbs on the other. 47th. The point will be

2.8633536 feet, or 62.8633536 feet from A. in the direction of B. 48th. A. in  $13\frac{1}{2}$  days, B. in 14 14-29 days, C. in 11 1-19 days, and D. in 70 days. All working together can do it in four days. 49th. 0.16347 of an inch too long. 50th. 1.5118579 times more weight.

GEOMETRICAL PROBLEMS.—No. 1. 530.4. No. 2. Torrid zone, 50105553920 acres; both Temperate zones, 65354992896 acres; and both Frigid zones together 10403856774.4 acres. Total whole earth 125864403590 acres. No. 3.  $5.77\frac{1}{2}$  feet by  $8.16\frac{1}{2}$  feet. (Should have been *strongest* instead of the largest rectangle.) No. 4.  $6\frac{1}{2}$  diameter. No. 5. 13.85 inches square. No. 6. 2.4858 feet square.

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☿ This is the first month of the year; its Zodiacal sign is CAPRICORNUS, or the Goat; it derives its name from *Janus*, a deity represented by the Romans with two faces, because he was acquainted with past and future events.

Mean Results of Meteorological Observations at Hamilton, by Dr. CRAIGIE.  
1846.

MONTH.	THERMOMETER.			Highest.	Lowest.	BAROMETER.			Rainy days.	Slight Showers.	Dry Days.	
	Mean at Nine A. M.	Mean at Nine P. M.	Mean of both. •			Mean.	Highest.	Lowest.				
January.....	29.2	30.4	29.8	51	4	29.657	30.30	29.22	3	9	19	
February ...	24.54	24.4	24.47	48	-4	655	21	28.97	5	7	16	
March .....	38.16	35.32	36.74	53	10	66	14	29.00	4	9	18	
April .....	47.16	44.93	46.05	85	26	774	22	17	5	7	18	
May .....	62.645	57.323	59.984	85	35	603	29.92	25	4	7	20	
June .....	70.43	64.13	67.28	90	45	704	30.10	40	2	8	20	
July .....	77.87	67.0	72.435	98	49	70	08	37	2	7	22	
August .....	74.74	70.52	72.63	93	53	73	29.90	44	4	2	25	
September...	68.24	66.00	67.12	90	41	716	95	40	4	8	18	
October .....	48.065	48.645	48.355	76	25	753	30.17	30	7	8	16	
November ...	44.1	45.4	44.75	60	20	7255	22	02	4	7	19	
December ...	31.74	34.2	32.97	58	16	669	22	05	4	4	23	
Mean .....	50.215			.....		29.6955				48	83	234

Day of Month.	Day of Week.	Remarkable Events.	ASTRONOMICAL NOTES.	Polar Distance of Pole Star.	Eclipses of Jupiter's Satellites.
1	Mond.	Circumcision.	Jupiter near Mars.	1 27 32	The Satellites of Jupiter will not be visible this month, Jupiter being too near the Sun.
2	Tuesd.	(1) Ed. Burke born 1730.	Moon farthest north.	1 27 32	
3	Wed.	Battle of Princeton 1777.	Moon near Pollux.	1 27 31	
4	Thur.	Earthquake in Canada, 1663.	Mercury in Aphelion.	1 27 31	
5	Friday	Treaty bet'n Britain & U.S. 1784.	Moon in apogee.	1 27 31	Example 1.—The height of a triangle is 30, and base 21, required the side of the largest inscribed square.
6	Satur.	Epiphany.	Mercury farthest south.	1 27 31	
7	SUND.	(6) Str <i>Peerless</i> launched 1853.	Saturn in ♄ this month	1 27 31	
8	Mond.	Galileo died 1612.	Jupiter in ♊ this month	1 27 31	
9	Tuesd.	Pontenelle died 1757.	Moon on equator.	1 27 31	Ex. 2.—Required the sides of a right angled triangle, when their sum is 40, and the radius of the inscribed circle is 3.
10	Wed.	London Exchange burnt 1838.	Mars in ♊ this month.	1 27 31	
11	Thur.	Linnaeus died 1778.	Uranus in ♍ this mo.	1 27 31	
12	Friday	Sir C. Bagot, Gov. Gen. 1842.	Venus in Aphelion.	1 27 31	
13	Satur.	C. J. Fox born 1749	Moon at Desc. node.	1 27 31	Ex. 3.—Given the chords of two arcs, 4 and 8, and the radius of the circle 12, to find the chord of their sum.
14	SUND.	Halley died, 1742.	Venus in ♊ this month.	1 27 31	
15	Mond.	Gen. Wolfe born, 1726.	Venus north 0 44 even.	1 27 31	
16	Tuesd.	Battle of Corunna. 1809.	Moon farthest south.	1 27 31	
17	Wed.	Benjamin Franklin born, 1706	Moon near Mercury	1 27 31	Ex. 4.—The sides of a triangle are, 29, 35 and 48, required the radius of the circumscribing circle.
18	Thur.	Daniel Webster born 1782.	Jupiter near Venus	1 27 31	
19	Friday	James Watt born, 1736.	Moon east of Mars.	1 27 31	
20	Satur.	Moward died. 1790.	Sun ent. ♊. ☿ sup. ☿ ☾	1 27 31	
21	SUND.	Louis XVI. guillotined 1793.	Mars south 1.23 eve.	1 27 31	Ex. 5.—The sides of a triangle are, a, b, and c; what is its area?
22	Mond.	Byron born 1788.	Moon on equator.	1 27 31	
23	Tuesd.	W. Pitt died, 1806.	Jupiter south 0.33 eve.	1 27 31	
24	Wed.	25) Burns born, 1759.	Saturn south 8.16 eve.	1 27 31	
25	Thur.	Sir F. B. Head, Lt. Gov. 1836.	Jup. near ♄. ☿ in peri.	1 27 31	Ex. 6.—The sides of a triangle are 13, 20, and 21. Required the perpendicular let fall on the longest side.
26	Friday	Tom Moore died, 1852.	Moon at Ascen. node.	1 27 31	
27	Satur.	Temp. at Quebec, 34° b. zero '53.	Moon near Saturn.	1 27 31	
28	SUND.	Gibbon died, 1794.	Venus in Capricorn.	1 27 31	
29	Mond.	George III. died, 1820.	Jupiter ☿ Sun.	1 27 31	
30	Tuesd.	Charles I. beheaded, 1643.	Mars south 1 16 eve.	1 27 31	
31	Wed.	Earl of Elgin, Gov. Gen. 1847.	Uranus South 5 59 eve.	1 27 32	

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☾ New.  
☾ Full.  
☾ Apoc.  
☾ Peri.

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Day of Week.

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MOON'S PHASES.	D.	Toronto.		Quebec.		Twilight or Daylight begins and ends at—									
						Toronto.		Halifax.		Montreal.		Fredrickton.		Quebec.	
		h	m	h	m	Beg.	End.	Beg.	End.	Beg.	End.	Beg.	End.	Beg.	End.
○ Full Moon .....	3	3	2 mo	3	34 mo										
☾ Last Quarter ...	11	6	57 mo	7	29 mo	h	m	h	m	h	m	h	m	h	m
☾ New Moon .....	18	3	20 mo	3	52 mo	15	50	17	52	16	53	14	54	13	55
☾ First Quarter .....	24	8	22 ev	8	54 ev	10	50	23	52	24	54	22	55	21	56
☾ Apogee .....	5	5	32 mo	6	4 mo	20	54	7	34	5	49	6	33	5	50
☾ Perigee .....	18	9	26 mo	9	58 mo	30	54	6	42	5	41	6	45	4	43

## Ephemeris of the Planets, &amp;c.

Day Mo.	Venus South Even.	Sun South Even.	Jupiter South Even.	Saturn South Even.	Sun's Longi- tude.	Sun's Right Ascen.	Venus Right Ascen.	Mars Right Ascen.	Jupiter Right Ascen.	Saturn Right Ascen.	Venus Decl. South.	Mars Decl. South.	Jupiter Decl. South.	Saturn Decl. South.
	h m	h m	h m	h m	° ' "	h m	h m	h m	h m	h m	° ' "	° ' "	° ' "	° ' "
1 ...	0 24	1 38	1 38	9 51	280 48	18 47	19 7	20 21	20 22	4 35	23 25	20 40	20 0	20 17
7 ...	0 37	1 34	1 20	9 25	236 55	19 13	19 40	20 41	20 28	4 34	22 32	19 30	19 41	20 15
13 ...	0 41	1 29	1 1	9 0	293 2	19 39	20 12	21 0	20 33	4 33	21 14	18 13	19 21	20 14
19 ...	0 43	1 25	0 45	8 36	299 8	20 7	20 43	21 19	20 31	4 31	19 33	16 48	19 1	20 13
25 ...	0 56	1 20	0 27	8 11	305 14	20 30	21 14	21 38	20 47	4 31	17 32	15 18	18 39	20 12
31 ...	1 2	1 15	0 9	7 47	311 20	20 57	21 44	21 56	20 50	4 30	15 13	13 42	18 17	20 13

Day of Month.	Day of Week.	Calendar for Upper Canada and Nova Scotia.						Calendar for Lower Canada and New Brunswick.						DEPARTMENT FOR ALL OF UPPER AND LOWER CANADA.														
		Sun Rises.		Sun Sets.		Moon Sets.		Sun Rises.		Sun Sets.		Moon Sets.		Pole Star in Meridian Evening.	Shadow at Noon Mark Evening.	Mn's Age Noon.	Moon's South Even.	Moon's Place at 7 P.M.	Sun's Decl. at Noon South.									
		h	m	h	m	h	m	h	m	h	m	h	m	h	m	s	h	m	s	°	'	"						
1	Mond	17	36	4	32	6	21	7	48	4	20	6	31	6	22	7	12	3	50	12	8	11	8	8	26	23	1	10
2	Tuesd	27	36	4	33	Rises		7	48	4	21	Rises		6	18	10	12	4	18	13	8	12	0	II	8	22	57	59
3	Wed.	37	36	4	34	4	45	7	48	4	22	4	35	8	14	14	12	4	46	14	8	Morn		do.	20	22	50	21
4	Thur.	47	36	4	35	5	43	7	47	4	23	5	35	6	10	17	12	5	13	15	8	50		do.	22	44	15	
5	Friday	57	36	4	36	6	47	7	47	4	24	6	39	6	6	20	12	5	40	16	8	1	40	do.	14	22	37	42
6	Satur	67	36	4	37	7	50	7	47	4	25	7	44	6	2	23	12	6	7	17	8	2	26	do.	26	22	30	43
7	Sund	77	35	4	38	8	52	7	47	4	26	8	48	5	58	26	12	6	33	18	8	3	10	Q	8	22	23	16
8	Mond.	87	35	4	39	9	55	7	47	4	28	9	53	5	54	29	12	6	58	19	8	3	53	do.	20	22	15	24
9	Tuesd.	97	35	4	40	10	58	7	47	4	29	10	57	5	50	33	12	7	23	20	8	4	34	W	2	22	7	5
10	Wed.	107	35	4	41	Morn		7	46	4	30	Morn		5	46	36	12	7	48	21	8	5	15	do.	14	21	58	20
11	Thurs	117	34	4	42			27	46	4	31		3	5	42	39	12	8	12	22	8	5	57	do.	27	21	49	9
12	Friday	127	34	4	43	1	9	7	46	4	32	1	13	5	38	42	12	8	27	23	8	6	41	do.	10	21	39	33
13	Satur.	137	34	4	45	2	19	7	45	4	34	2	24	5	34	46	12	8	58	24	8	7	29	do.	24	21	29	32
14	Sund.	147	33	4	46	3	34	7	45	4	36	3	42	5	30	49	12	9	20	25	8	8	22	W	8	21	19	6
15	Mond.	157	33	4	47	4	52	7	44	4	37	5	1	5	26	52	12	9	42	26	8	9	21	do.	22	21	8	15
16	Tuesd.	167	32	4	48	6	6	7	43	4	38	6	16	5	22	56	12	10	3	27	8	10	26	do.	7	20	56	59
17	Wed	177	31	4	50	Sets		7	42	4	39	Sets.		5	18	59	12	10	23	28	8	11	32	do.	22	20	45	20
18	Thurs.	187	31	4	51	5	16	7	42	4	40	5	8	5	15	2	12	10	43	0	3	Ev. 38		W	8	20	33	17
19	Friday	197	30	4	52	6	41	7	41	4	41	6	34	5	11	5	12	11	1	1	3	1	40	do.	22	20	20	51
20	Satur.	207	29	4	53	8	37	7	40	4	42	7	59	5	7	8	12	11	19	2	3	2	37	do.	8	20	8	2
21	Sund.	217	29	4	55	9	20	7	39	4	43	9	18	5	3	11	12	11	37	3	3	3	29	do.	23	19	54	50
22	Mond.	227	28	4	56	10	33	7	38	4	45	10	33	4	59	15	12	11	53	4	3	4	18	do.	7	19	41	16
23	Tuesd.	237	27	4	57	11	44	7	37	4	47	11	46	4	55	19	12	12	9	5	3	5	5	do.	20	19	27	20
24	Wed.	247	26	4	59	Morn		7	36	4	48	Morn		4	51	21	12	12	24	6	3	5	51	do.	4	19	13	2
25	Thurs.	257	25	5	00	0	54	7	35	4	50		58	4	47	24	12	12	38	7	3	6	37	do.	17	18	58	23
26	Friday	267	24	5	01	2	27	7	34	4	52	2	9	4	43	28	12	12	51	8	3	7	24	do.	29	18	43	24
27	Satur.	277	23	5	03	3	9	7	33	4	53	3	17	4	39	32	12	13	3	9	3	8	15	do.	11	18	28	5
28	Sund.	287	22	5	04	4	14	7	32	4	54	4	23	4	35	36	12	13	15	10	3	9	4	do.	23	18	12	25
29	Mond.	297	21	5	06	5	13	7	31	4	56	5	23	4	31	38	12	13	26	11	3	9	55	do.	5	17	56	26
30	Tuesd.	307	20	5	07	6	7	7	30	4	58	6	18	4	27	41	12	13	30	12	3	10	46	do.	17	17	40	8
31	Wed.	317	19	5	08	6	52	7	29	5	59	7	2	4	23	44	12	13	43	13	3	11	36	do.	29	17	23	31

PROB. 1.—Three sons, whose ages are 8, 10, and 13 years, are to share a legacy of \$12,000, which must be so divided that each part being placed at 7 per cent. compound interest, shall amount to equal sums when they are 21 years of age. Required the portion of each.

PROB. 2.—A. can do a piece of work in 8 days, and B. can do it in 6 days; what part of it can both do in 3 days?

PROB. 3.—Required the largest pentagon inscribed in an equilateral triangle whose sides are four feet each?

☿ This month has AQUARIUS, or the Water-bearer for its Zodiacal sign; its name is from the *Februa*, or sacrifices offered to the manes of the gods at this season.

Mean Results of Meteorological Observations at Hamilton, by Dr. CRAIGIE.  
1847.

MONTH.	THERMOMETER.			Highest.	Lowest.	BAROMETER.			Rainy days.	Slight Showers.	Dry days.	
	Mean at Nine, A. M.	Mean at Nine P. M.	Mean of both.			Mean.	Highest.	Lowest.				
	°	°	°									
January . . .	25.774	26.29	26.032	54	2	29.65	30.17	28.90	5	7	19	
February ...	25.786	27.678	26.732	45	2	594	03	86	4	9	15	
March .....	32.42	32.48	32.45	54	10	69	05	29.15	2	3	26	
April .....	46.03	43.2	44.615	77	20	657	06	18	3	6	21	
May .....	59.54	55.26	57.4	84	34	665	00	20	2	7	22	
June .....	67.16	61.4	64.28	90	41	649	29.96	10	3	9	18	
July .....	78.6	71.6	75.1	96	46	752	98	50	1	5	25	
August .....	71.19	66.13	68.66	88	48	75	30.02	42	2	7	22	
September...	60.66	58.56	59.62	86	39	694	04	37	5	10	15	
October .....	47.9	48.03	47.965	72	24	707	34	07	4	7	20	
November ...	41.77	41.93	41.85	71	11	695	19	30	5	8	17	
December ...	32.7	33.8	33.25	58	10	667	02	28.97	5	11	15	
Mean.....	48.163			.....		29.681				41	89	235

Day of Month.	Day of Week.	Remarkable Events.	ASTRONOMICAL NOTES.	Polar Distance of Pole Star.	Eclipses of Jupiter's Satellites.
1	Thur.	Battle of Brionne, 1814.	Uranus 90° east of Sun.	° // /	The Satellites of Jupiter will not be visible this month, Jupiter being too near the sun.
2	Friday	<i>Gundemas.</i>	Mars south 1.13 eve.	1 27 32	
3	Satur.	Spanish Inquisition abol. 1813.	Saturn in ♄ this month	1 27 32	
4	SUND.	<i>Septuagesima.</i>	Jupiter in ♃ this month	1 27 32	
5	Mond.	(4) Order of St. Patrick Inst. 1783.	Moon in equator.	1 27 32	Ex. 7.—The sides of a triangle are 25, 51, and 52, what is the diameter of the largest inscribed circle?
6	Tuesd.	R. Lander died, 1834.	<i>Mars eclipsed by Mercury</i>	1 27 32	
7	Wed.	(6) Battle of Elizabethtown, 1813.	(7th, ♀ ♄ ♀). ♀ n'r ♄.	1 27 32	
8	Thur.	Mary Queen of Scots beh. 1587.	Saturn stationary.	1 27 33	
9	Friday	Canada ceded to Britain, 1763.	Mars in ♄ this month.	1 27 33	Ex. 8.—The adjacent sides of a parallelogram are 3, and 5, and one diagonal is 8; required the other diagonal.
10	Satur.	Queen Victoria married 1840.	Uranus in ♅ this month	1 27 33	
11	SUND.	Lord Sydenham Gov. Gen. 1840.	Jupiter south 11.13 mo.	1 27 33	
12	Mond.	Lady Jane Grey beheaded 1554.	Moon farthest south.	1 27 33	
13	Tuesd.	B. Cellini died 1570.	Venus south 1.13 eve.	1 27 33	Ex. 9.—The height of a triangle is 60, its base 91, and the sum of the sides 252; required the sides.
14	Wed.	<i>Valentine Day.</i>	Mars south 1.1 eve.	1 27 33	
15	Thur.	L. Blanchard com. suicide, 1845.	Moon in perigee.	1 27 34	
16	Friday	Melancthon born 1497.	Venus south 1.15 eve.	1 27 34	
17	Satur.	Partition of Poland, 1772.	Moon near Mars & ♀	1 27 34	Ex. 10.—The sides of a triangle are 17, 25, and 28; required the distance of a point within which will be equally distant from the three corners.
18	SUND.	<i>Quinquagesima.</i>	Sun enters ♋. ♄ Gr.	1 27 34	
19	Mond.	(18) Canada settled, 1534.	Venus in ♋. [elong E.	1 27 34	
20	Tuesd.	Voltaire born, 1694.	Venus near Mercury.	1 27 35	
21	Wed.	<i>Ash Wednesday.</i>	Moon near Uranus.	1 27 35	Ex. 11.—The radius of a circle inscribed in a triangle, whose sides are 13, 20, 21, is 4½; what is the radius of the circumscribing circle?
22	Thur.	(21) 92 Resolutions passed, 1834.	Moon at Ascen. node.	1 27 35	
23	Friday	(22) Washington born, 1732.	Moon near Saturn.	1 27 35	
24	Satur.	Handel born, 1684.	Mercury Stationary.	1 27 35	
25	SUND.	<i>1st Sunday in Lent.</i>	Saturn south 6.10 eve.	1 27 36	Prob. 4. what is the Prob. 5. and \$8,00 found his much mus Prob. 6. hours? H that time?
26	Mond.	James Hervey born, 1714.	Moon farthest north.	1 27 36	
27	Tuesd.	Sir J. Colborne Admin. 1838.	Saturn 90 East of Sun.	1 27 36	
28	Wed.	Montaigne born 1533.	Mars near Mercury.	1 27 36	

GEOMETRICAL PROBLEM I.—How many solid and superficial inches in a ring, whose diameter inside is 8 inches, and thickness 2 inches?

○ Full M  
● Last Q  
● New M  
● First Q  
● Perigee  
● Apogee

Day Mo.	Full Moon	Last Quarter	New Moon	First Quarter	Perigee	Apogee
1	...	1	...	...	...	...
7	...	1	...	...	...	...
2	...	1	...	...	...	...
19	...	1	...	...	...	...
25	...	1	...	...	...	...
28	...	1	...	...	...	...

Day of Month	Day of Week
1	Thur.
2	Friday
3	Satur.
4	Sund.
5	Mond.
6	Tuesd.
7	Wed.
8	Thur.
9	Friday
10	Satur.
11	Sund.
12	Mond.
13	Tuesd.
14	Wed.
15	Thur.
16	Friday
17	Satur.
18	Sund.
19	Mond.
20	Tuesd.
21	Wed.
22	Thur.
23	Friday
24	Satur.
25	Sund.
26	Mond.
27	Tuesd.
28	Wed.

Prob. 4. what is the  
Prob. 5. and \$8,00  
found his  
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Prob. 6.  
hours? H  
that time?

from the

GIE.

Slight Showers.  
Dry days.

MOON' PHASES.	D.	Toronto.		Quebec.		Twilight or Daylight begins and ends at—											
						Toronto.		Halifax.		Montreal.		Fredric'tn.		Quebec.			
						Beg.		Beg.		Beg.		Beg.		Beg.			
		A. M.	P. M.	A. M.	P. M.	A. M.	P. M.	A. M.	P. M.	A. M.	P. M.	A. M.	P. M.	A. M.	P. M.		
○ Full Moon .....	1	10 24 ev	10 56 ev														
● Last Quarter ...	8	9 44 ev	10 16 ev	h	m	h	m	h	m	h	m	h	m	h	m		
☾ New Moon .....	14	1 30 ev	2 2 ev	15 39	6 48 5	39 6 48 5	49 6 47 5	41 6 47 5	41 6 47 5	41 6 47	47						
☾ First Quarter ...	22	0 17 ev	0 49 ev	10 5 29	6 59 5	30 6 59 5	30 6 59 5	30 6 59 5	30 6 59 5	30 6 59	30 6 59	30 6 59	30 6 59	30 6 59	30 6 59		
☾ Perigee . ....	17	9 14 ev	9 46 ev	20 5	14 7	16 7 12	5 16 7	12 5 16 7	12 5 16 7	12 5 16 7	12 5 16 7	12 5 16 7	12 5 16 7	12 5 16 7	12 5 16 7		
☾ Apogee . ....	25	2 50 ev	3 22 ev	28 5	27 22	5 27 23	5 27 22	5 17 25	5 17 25	5 17 25	5 17 25	5 17 25	5 17 25	5 17 25	5 17 25		

Ephemeris of the Planets, &c.

Day	Mo.	Venus South	Mars South	Jupiter South	Saturn South	Sun's Longi.	Sun's Right Asc.	Venus Right	Mars Right	Jupiter Right	Saturn Right	Venus Decl.	Mars Decl.	Jupiter Decl.	Saturn Decl.
		h m	h m	h m	h m	°	h m	h m	h m	h m	h m	°	°	°	°
1	...	1 3	1 14	morn	7 43	312 21	20 59	21 49	21 59	20 52	4 30	14 48	13 25	18 13	20 13
7	...	1 8	1 8	11 48	7 20	318 20	21 23	22 18	22 17	20 58	4 30	12 12	11 43	17 50	20 14
2	...	1 13	1 21	11 30	6 56	324 30	21 47	22 46	22 35	21 2	4 30	9 21	9 58	17 27	20 16
19	...	1 17	0 56	11 13	6 33	330 33	22 10	23 14	22 53	21 9	4 30	6 28	8 9	17 3	20 18
25	...	1 21	0 50	10 55	6 10	336 35	22 33	23 41	23 16	21 14	4 31	3 25	6 18	16 39	20 21
28	...	1 23	0 47	10 46	5 58	339 40	22 45	23 55	23 13	21 17	4 31	1 52	5 21	16 27	20 22

Day of Month.	Day of Week.	Calendar for Upper Canada and Nova Scotia.						Calendar for Lower Canada and New Brunswick.						DEPARTMENT FOR ALL OF UPPER AND LOWER CANADA.									
		Sun Rises.		Sun Sets.		Moon Rises.		Sun Rises.		Sun Sets.		Moon Rises.		Pole Star in Meridian Evening.	Shadow at Noon Mark Evening.	Mn's Age Noon.	Moon South, Morn.	Moon's Place at 7 P. M.	Sun's Declination South.				
		h	m	h	m	h	m	h	m	h	m	h	m										
		32	7	18	5	10	4	39	7	28	5	0	4							31	4	19	47
2	Friday	33	7	17	5	11	5	41	7	26	5	2	5	34	4	15	51	12	14	0	15 <th>3</th>	3	
3	Satur.	34	7	16	5	13	6	44	7	25	5	3	6	39	4	11	54	12	14	7	16	3	
4	Sund.	35	7	14	5	14	7	48	7	23	5	7	45	4	7	57	12	14	13	17	3	1	
5	Mond.	36	7	13	5	16	8	51	7	22	5	8	56	4	4	0	12	14	18	18	3	2	
6	Tuesd.	37	7	12	5	17	9	53	7	20	5	8	9	51	4	0	4	12	14	22	19	3	
7	Wed.	38	7	11	5	18	10	59	7	19	5	9	11	2	3	56	7	12	14	25	20	3	
8	Thur.	39	7	8	5	19	Morn	7	14	5	11	Morn		3	52	11	12	14	28	21	3		
9	Friday	40	7	7	5	21		7	17	5	13		12	3	48	14	12	14	30	22	3		
10	Satur.	41	7	6	5	22	1	18	7	16	5	14	1	25	3	44	17	12	14	31	23	3	
11	Sund.	42	7	4	5	24	2	20	7	15	5	15	2	28	3	40	21	12	14	31	24	3	
12	Mond.	43	7	3	5	25	3	23	7	14	5	16	3	34	3	36	24	12	14	31	25	3	
13	Tuesd.	44	7	2	5	27	4	27	7	12	5	18	5	4	3	32	27	12	14	30	26	3	
14	Wed.	45	7	1	5	28	5	31	7	11	5	20	6	5	3	28	31	12	14	28	27	3	
15	Thur.	46	7	0	5	29	6	37	7	8	5	21	6	51	3	24	34	12	14	25	28	3	
16	Friday	47	6	58	5	31	Sets	7	6	5	23	Sets		3	20	38	12	14	22	29	3		
17	Satur.	48	6	56	5	32	6	51	7	5	23	6	48	3	16	41	12	14	18		3		
18	Sund.	49	6	55	5	33	8	10	7	3	25	8	9	3	12	44	12	14	13 <td>1</td> <td>3</td>	1	3		
19	Mond.	50	6	53	5	35	9	24	7	2	26	9	26	3	8	48	12	14	7 <td>2</td> <td>3</td>	2	3		
20	Tuesd.	51	6	52	5	36	10	37	7	0	28	10	40	3	4	51	12	14	1 <td>3</td> <td>3</td>	3	3		
21	Wed.	52	6	50	5	37	11	48	6	58	5	30	11	53	3	0	55	12	13	54 <td>4</td> <td>3</td>	4	3	
22	Thur.	53	6	49	5	39	Morn	6	56	5	32	Morn		2	56	58	12	13	47 <td>5</td> <td>3</td>	5	3		
23	Friday	54	6	47	5	40		58	6	55	5	33	1	6	2	53	2	12	13	38 <td>6</td> <td>3</td>	6	3	
24	Satur.	55	6	45	5	42	2	46	5	54	5	34	2	14	2	49	5	12	13	30 <td>7</td> <td>3</td>	7	3	
25	Sund.	56	6	44	5	43	3	9	6	51	5	35	3	19	2	45	9	12	13	20 <td>8</td> <td>3</td>	8	3	
26	Mond.	57	6	42	5	44	4	3	6	59	5	37	4	15	2	41	12	12	13	10 <td>9</td> <td>3</td>	9	3	
27	Tuesd.	58	6	40	5	46	4	51	6	57	5	39	5	1	2	37	16	12	12	59 <td>10</td> <td>3</td>	10	3	
28	Wed.	59	6	39	5	47	5	30	6	55	5	41	5	40	2	33	19	12	12	48 <td>11</td> <td>3</td>	11	3	

s Satellites.

Jupiter will month. Ju- the sun.

of a triangle what is the est inscribe 1

ent sides of e 3, and 5, 8; requir d

ht of a t t 1- 91, and the 2; requir d

es of a tri- and 28; re- e of a pent be equally be corner s.

is of a circle gle, whose s 4%; what he circ-um-

diameter

PROB. 4.—The sides of a hexagon are 12, what is the side of the largest inscribed square?  
PROB. 5.—A father wills \$16,000, \$12,000, and \$8,000, to his three children. But it is found his estate is worth only \$20,000. How much must each share be?  
PROB. 6.—The clocks in Italy go on to 24 hours? How many strokes do they strike in that time?

PROB. 7.—A. B. and C. agree to do a piece of work for \$26.45. A. and B. do 3-4ths of it, A. and C. do 9-10ths, and B. and C. do 13-20ths. What ought each to have?  
PROB. 8.—The greatest diameter of an octagon is 18, required its inscribed square.  
PROB. 9.—Required the largest 8-sided figure that can be inscribed in a square, whose side is 20 inches.



✕ March is the third month of the year; with the ancients it was the first. The name is said to be derived from that of *Mars*, the God of War; its Zodiacal sign is *Pisces*, the Fishes.

Mean Results of Meteorological Observations at Hamilton, by Dr. CRAIGIE.  
1848.

MONTH.	THERMOMETER.			Highest.	Lowest.	BAROMETER.			Rainy days.	Slight Showers.	Dry Days.	
	Mean at Nine, A. M.	Mean at Nine, P. M.	Mean of both.			Mean.	Highest.	Lowest.				
	°	°	°									
January.....	30.90	30.4	30.65	60	-1	29.685	30.22	29.05	4	7	20	
February ...	29.62	30.2	29.91	55	5	594	07	00	1	5	23	
March .....	32.55	32.45	32.5	72	6	642	29.95	19	4	6	21	
April .....	46.2	45.9	46.05	84	26	777	30.09	38	2	5	23	
May .....	61.42	58.16	59.79	91	35	566	29.87	27	3	7	21	
June .....	70.83	68.2	69.52	100	42	615	95	28	1	7	22	
July .....	70.32	68.8	69.61	94	51	628	80	23	1	9	21	
August .....	73.58	72.516	73.048	96	53	7065	88	33	2	5	24	
September...	58.9	57.3	58.1	80	33	623	93	28.99	4	8	18	
October .....	51.096	50.77	50.933	78	32	677	30.13	29.22	3	6	22	
November ...	37.2	37.13	37.166	51	25	694	09	28.90	5	6	19	
December ...	34.41	34.13	34.27	60	13	649	12	29.05	5	9	17	
Mean .....	49.295			.....		29,663				35	80	251

Day of Month.	Day of Week.	Remarkable Events.	ASTRONOMICAL NOTES.	Polar Distance of Pole Star.	Eclipses of Jupiter's Satellites
1	Thur.	<i>St. David.</i>		° / //	
2	Friday	Rev. John Wesley died 1791.	Mars in Aquarius.	1 27 37	Sat. Toronto. D. H. M.
3	Satur.	Battle of Point au Pelee, 1838.	Venus on Equator.	1 27 37	II. Disapp. 26 4 46. Mo.
4	SUND.	First American Congress, 1793.	Saturn south 5.43 eve.	1 27 37	
5	Mond.	Layard born 1817.	Moon on equator.	1 27 38	
6	Tuesd.	York changed to Toronto, 1834.	Mercury Inf: ♀ Sun.	1 27 38	
7	Wed.	William III. died 1702.	Venus in Pisces	1 27 38	Er. 12.—The diagonal of a rectangle is 109, and the sum of its sides is 302; required the sides.
8	Thur.	Hon. S. Smith Admin. 1820.	Moon at Desc. node.	1 27 38	
9	Friday	Americus Vespacius b. 1451.	Venus South 1.28 eve.	1 27 38	
10	Satur.	Botany Bay discovered, 1787.	Saturn in Taurus.	1 27 39	Er. 13.—The radius of a circle is 100; what is the side of the inscribed octagon?
11	SUND.	Tasso born, 1514.	Jupiter south 10.12 mo.	1 27 39	
12	Mond.	Peace of Utrecht 1713.	Jupiter in Capricorn.	1 27 39	
13	Tuesd.	Planet Herschel disc. 1781.	Moon farthest south.	1 27 40	Er. 14.—Required the side of a pentagon described in a circle whose radius is 100.
14	Wed.	York (Toronto) market town, 1814	Mars near equinox.	1 27 40	
15	Thur.	Cornwallis def. the Amer. 1781.	Moon near Jupiter.	1 27 40	Er. 15.—Required the side of a decagon, inscribed in the circle of radius 100.
16	Friday	Cesar invades Britain 55 B. C.	Moon in perigee.	1 27 41	
17	Satur.	<i>St. Patrick's Day.</i>	Mars on equator.	1 27 41	Er. 16.—Required the side of an equilateral triangle, inscribed in the same circle.
18	SUND.	Princess Louisa born, 1848.	Mercury Stationary.	1 27 41	
19	Mond.	(18) Death of Cleopatra 30 B. C.	Moon near Venus..	1 27 41	Er. 17.—In a triangle, the perpendicular is 60, and the radii of the inscribed and circumscribed circles are 15, and 34 17-30ths; required the sides.
20	Tuesd.	Newton died 1727.	Sun enters Pisces.	1 27 42	
21	Wed.	Roman Empire greatest 30 B. C.	Moon at Ascen. node.	1 27 42	
22	Thur.	Goethe died. 1832.	Mars south 4.37 ev.	1 27 42	
23	Friday	Kotzebue killed 1819.	Moon near Saturn.	1 27 43	
24	Satur.	Druidical Religion in Britain 50.	Venus south 1.37 ev.	1 27 43	
25	SUND.	<i>Lady Day.</i>	Moon farthest north.	1 27 43	
26	Mond.	Bank of England incorp. 1694.	Saturn south, 4.23 eve	1 27 43	
27	Tuesd.	Peace of Amiens 1802.	Jupiter south, 9.22 mo.	1 27 44	
28	Wed.	First persecution of Christians 64	Moon apogee.	1 27 44	Er. 18.—Required the diameter of a circle, the area of an equilateral triangle standing on the base of half the circle, being 4√3.
29	Thur.	(30) Christian Churches built 230.	Venus south 1.40 eve.	1 27 44	
30	Friday	Lord Metcalfe Gov. Gen. 1843.	Mars in Pisces.	1 27 45	
31	Satur.	Thorwaldsen died 1844	Venus in Aries.	1 27 45	

MOON'S PHA

○ Full Moo  
● Last Quar  
● New Moo  
● First Qua  
● Perigee  
● Apogee

Day Mo.	Venus South Even.
1 ...	h m
7 ...	1 27
13 ...	1 30
19 ...	1 33
25 ...	1 37
31 ...	1 41

Day of Month.	Day of Week.	Day of Year.
---------------	--------------	--------------

1 Thur.	60
2 Friday	61
3 Satur.	62
4 SUND.	63
5 Mond.	64
6 Tues.	65
7 Wed.	66
8 Thur.	67
9 Friday	68
10 Satur.	69
11 SUND.	70
12 Mond.	71
13 Tues.	72
14 Wed.	73
15 Thur.	74
16 Friday	75
17 Satur.	76
18 SUND.	77
19 Mond.	78
20 Tuesd.	79
21 Wed.	80
22 Thur.	81
23 Friday	82
24 Satur.	83
25 SUND.	84
26 Mond.	85
27 Tues.	86
28 Wed.	87
29 Thur.	88
30 Friday	89
31 Satur.	90

PROB. 10.—  
goods, is to b  
without inter  
second in six  
months. Mo  
much ready m

name is said  
ishes.

GAIGIE.

Rainy days.	Slight Showers.	Dry Days.
4	7	20
1	5	23
4	6	21
2	5	23
3	7	21
1	7	22
1	9	21
2	5	24
4	8	18
3	6	22
5	6	19
5	9	17

pter's Satellites

D. H. M.  
20 4 40. Mo.

diagonal of a  
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2; required the

radius of a circle  
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circles are 15, and  
quired the sides.

ired the diame-  
the area of an  
gle standing on  
the circle, being

MOON'S PHASES.	D.	Toronto		Quebec.		Twilight or Daylight begins and ends at—									
						Toronto.		Halifax.		Montreal.		Fredrick.		Quebec.	
		h	m	h	m	Beg. and A. M. P. M.	End P. M.	Beg. and A. M. P. M.	End P. M.	Beg. and A. M. P. M.	End P. M.	Beg. and A. M. P. M.	End P. M.	Beg. and A. M. P. M.	End P. M.
Full Moon . . .	3	4	51 ev	5	23 ev										
Last Quarter . .	10	10	43 ev	11	15 ev										
New Moon . . .	17	11	28 ev	12	0 ev	15	97 17	5	7 25	4	59 7	26	4 59	7 26	4 58
First Quarter . .	25	6	9 mo	6	41 mo	10	47 7	36	4 4	7 37	4	42 7	38	4 42	7 39
Perigee . . . . .	16	6	20 mo	6	52 mo	20	4 26	7 49	4 2	7 51	4	22 7	53	4 21	7 54
Apogee . . . . .	28	6	14 mo	6	46 mo	30	4 78	2	4 3	5 4	1	18 7	4	0 8	5 3

### Ephemeris of the Planets, &c.

Day Mo.	Venus South Even.	Mars South Even.	Jupiter South Morn.	Saturn South Even.	Sun's Longi- tude.	Sun's Right Ascen.	Venus Light Ascen.	Mars Light Ascen.	Jupiter Light Ascen.	Saturn Light Ascen.	Venus Decl. South.	Mars Decl. South.	Jupiter Decl. South.	Saturn Decl. South.
	h m	h m	h m	h m	° /	h m	h m	h m	h m	h m	° /	° /	° /	° /
1 ...	1 23	0 46	10 43	5 55	340 36	22 48	23 59	23 2	21 18	4 31	1 21	5 3	16 2	20 23
7 ...	1 27	0 40	10 24	5 32	346 36	23 11	0 26	23 39	21 20	4 33	1 46	3 4	15 59	20 27
13 ...	1 30	0 33	10 6	5 10	352 35	23 33	0 54	23 56	21 29	4 34	4 51	1 17	15 35	20 31
19 ...	1 33	0 26	9 47	4 48	358 34	23 55	1 21	0 13	21 33	4 35	7 53	n 31	15 11	20 36
25 ...	1 37	0 20	9 29	4 26	4 30	0 17	1 48	0 30	21 39	4 37	10 49	2 32	14 47	20 41
31 ...	1 41	0 13	9 10	4 5	10 26	0 38	2 16	0 47	21 43	4 39	13 35	4 2	14 25	20 46

Day of Month.	Day of Week.	Calendar for Upper Canada and Nova Scotia.						Calendar for Lower Canada and New Brunswick.						DEPARTMENT FOR ALL OF UPPER AND LOWER CANADA.																
		Sun Rises.			Moon Sets.			Sun Rises.			Moon Sets.			Pole Star In Meridian Evening.		Shadow at Noon Mark Evening.		Mn's Age Noon.		Moon South Even.		Moon's Place at 7 P. M.		Sun's Declination South.						
		h	m	s	h	m	s	h	m	s	h	m	s	h	m	s	h	m	s	days	h	m	s	°	'	''				
		h	m	s	h	m	s	h	m	s	h	m	s	h	m	s	h	m	s	days	h	m	s	°	'	''				
1	Thur.	606	37	5	48	6	5	6	43	5	47	6	13	2	29	23	12	12	37	12	9	11	6	25	20	7	35	54		
2	Friday	616	35	5	49	6	30	6	41	5	44	6	36	2	25	26	12	12	24	13	9	11	56	2	7	13	4			
3	Satur.	626	33	5	51	Rises	6	39	5	47	Rises	2	21	30	12	12	12	12	14	9	Morn	do.	14	6	50	8				
4	Sund.	636	32	5	52	6	42	6	38	5	46	6	41	2	17	33	12	11	59	15	9	32	do.	26	6	27	7			
5	Mond.	646	30	5	53	7	46	6	37	5	47	7	46	2	13	37	12	11	45	16	9	1	13	8	6	4	0			
6	Tues.	656	28	5	55	8	51	6	36	5	48	8	53	2	9	41	12	11	31	17	9	1	54	do.	21	5	40	48		
7	Wed.	666	26	5	56	9	59	6	35	5	49	10	3	2	5	44	12	11	16	18	9	2	36	do.	3	5	17	31		
8	Thur.	676	25	5	57	11	8	6	32	5	50	11	15	2	1	48	12	11	1	19	9	3	26	do.	16	4	54	10		
9	Friday	686	23	5	59	Morn	6	30	5	52	Morn	1	57	52	12	10	46	20	9	4	8	do.	29	4	30	46				
10	Satur.	696	21	6	0		19	6	27	5	53	27	1	53	56	12	10	31	21	9	5	0	do.	13	4	7	18			
11	Sund.	706	19	6	1	1	32	6	26	5	54	1	42	1	49	59	12	10	15	22	9	5	56	do.	26	3	43	46		
12	Mond.	716	17	6	2	2	40	6	24	5	56	2	52	1	46	3	12	9	59	23	9	6	56	do.	10	3	20	12		
13	Tues.	726	16	6	3	3	42	6	22	5	58	3	54	1	42	7	12	9	42	24	9	7	59	do.	25	2	56	35		
14	Wed.	736	14	6	4	4	34	6	19	5	59	4	48	1	38	11	12	9	26	25	9	9	1	do.	9	2	32	57		
15	Thur.	746	12	6	5	5	15	6	17	6	1	5	23	1	34	14	12	9	9	26	9	10	1	do.	24	2	9	16		
16	Friday	756	10	6	7	5	47	6	16	6	3	5	52	1	30	18	12	8	51	27	9	10	57	do.	9	1	45	35		
17	Satur.	766	8	6	8	Sets	6	13	5	4	Sets	1	26	22	12	8	34	28	9	11	50	do.	24	1	21	53				
18	Sund.	776	6	6	9	6	57	6	12	6	5	6	57	1	22	25	12	8	16	5	ev.	40	do.	9	0	58	10			
19	Mond.	786	5	6	10	8	12	6	10	6	8	14	1	18	29	12	7	59	1	5	1	30	do.	23	0	34	26			
20	Tues.	796	3	6	11	9	27	6	8	8	9	32	1	14	33	12	7	41	2	5	2	19	do.	7	S.	10	44			
21	Wed.	806	1	6	12	10	39	6	6	9	10	46	1	10	37	12	7	23	3	5	3	8	do.	20	N.	12	58			
22	Thur.	815	59	6	14	11	49	6	4	10	11	58	1	6	41	12	7	4	4	5	3	59	do.	16	1	0	36	39		
23	Friday	825	57	6	15	Morn	6	38	6	11	Morn	1	2	45	12	6	46	5	5	5	43	do.	16	1	0	19				
24	Satur.	835	55	6	16		57	6	6	12	1	7	0	58	49	12	6	28	6	5	5	41	do.	28	1	23	56			
25	Sund.	845	54	6	17	1	56	5	58	6	14	2	7	0	54	53	12	6	9	7	5	6	36	do.	11	1	47	32		
26	Mond.	855	52	6	19	2	48	5	57	6	14	3	0	0	50	57	12	5	51	8	5	7	26	do.	23	2	11	5		
27	Tues.	865	50	6	20	3	30	5	55	6	15	3	40	0	47	1	12	5	32	9	5	8	15	do.	4	2	34	35		
28	Wed.	875	48	6	21	4	5	55	6	17	4	13	0	43	5	12	5	14	10	5	9	2	do.	16	2	58	1			
29	Thur.	885	46	6	22	4	34	5	56	6	20	4	41	0	39	8	12	4	55	11	5	9	47	do.	28	3	21	24		
30	Friday	895	45	6	23	4	58	5	48	6	22	5	3	0	35	12	4	37	12	5	10	29	do.	16	3	44	44			
31	Satur.	905	43	6	25	5	18	5	47	6	23	5	22	0	31	16	12	4	18	13	5	11	11	do.	22	4	7	59		

PROB. 10.—A purchase of \$15,000 worth of goods, is to be paid for in three equal payments, without interest; the first in 4 months, the second in six months, and the last in nine months. Money being worth 7 per cent., how much ready money ought to pay the debt?

PROB. 11.—If the diameter of the earth be 8,000 miles, and a hole be perforated through it centrally, how long would a ball be in reaching the centre, if it be placed within said hole, which is supposed to be a vacuum, and what velocity will it acquire at that point?

☿ This is the fourth month of the year, having for its sign **ARIES**, the Ram. Its Latin name *Aprilis*, is from *Aperio*, to open or set forth.

**Mean Results of Meteorological Observations at Hamilton, by Dr. CRAIGIE.**

1849.

MONTH.	THERMOMETER.			Highest.	Lowest.	BAROMETER.			Rainy Days.	Slight Showers.	Dry days.
	Mean at Nine, A. M.	Mean at Nine, P. M.	Mean of both.			Mean.	Highest.	Lowest.			
January.....	23.20	24.50	23.85	53	-6	29.83	30.47	29.20	3	7	21
February ...	22.714	25.142	23.928	49	-6	29.767	30.30	29.15	3	7	18
March .....	36.71	38.03	37.37	73	23	29.745	30.18	29.00	2	5	24
April .....	42.4	42.64	42.52	77	22	29.676	30.00	29.15	1	8	21
May .....	52.36	52.64	52.5	84	35	29.7065	30.22	29.08	6	8	17
June .....	69.47	67.37	68.42	99	45	29.735	29.98	29.42	2	5	23
July.....	73.16	71.9	72.53	101	54	29.79	30.08	29.44	2	2	27
August....	70.16	69.9	70.03	98	53	29.728	29.90	29.26	2	7	22
September..	61.93	61.66	61.8	89	40	29.766	30.15	29.18	1	5	24
October....	48.968	49.486	49.227	75	30	29.657	30.02	29.20	6	8	17
November..	45.966	46.5	46.233	68	30	29.629	29.95	29.25	5	5	20
December...	29.16	28.55	28.855	55	3	29.683	30.24	29.27	5	10	16
Mean .....	48.105 .....					29.726			88	77	250

Day of Month	Day of Week.	Remarkable Events.	ASTRONOMICAL NOTES.	Polar Distance of Pole Star.	Eclipses of Jupiter's Satellites
1	SUND.	<i>Palm Sunday.</i>	Venus in Ascen. node.	1 27 45	.....
2	Mond.	Battle of Copenhagen 1801.	Mercury gr. elong. west.	1 27 46	.....
3	Tuesd.	Bishop Heber died. 1828.	Venus in Aries.	1 27 46	.....
4	Wed.	Shakespeare born 1564.	Moon at Desc. node.	1 27 46	.....
5	Thur.	Stow died 1790.	Mars in Pices.	1 27 47	.....
6	Friday	<i>Good Friday.</i>	Venus south 1.46 eve.	1 27 47	.....
7	Satur.	(6) Saxons in Britain 455.	Venus near Uranus.	1 27 47	Ex. 19.—The base of a triangle is 52, the sum of the other two
8	SUND.	<i>Easter Sunday.</i>	Moon farthest south.	1 27 48	104, and the line drawn from the
9	Mond.	(8) Hudson's Bay Co. estab. 1692.	Mars conj. sun.	1 27 48	vertex to the middle of the
10	Tuesd.	Clergy Res. Bill p. II. of Com. 1853	Jupiter in Capricorn.	1 27 48	base is $\sqrt{2029}$ ; required the
11	Wed.	Coronation of Wm. & Mary 1689.	Moon near Jupiter.	1 27 48	other two sides.
12	Thur.	Dr. Young died 1765.	Saturn in Taurus.	1 27 49	Ex. 20.—The two sides of a
13	Friday	Handel died 1758.	Moon in Perigee.	1 27 49	triangle are 75 and 61, and the
14	Satur.	Peace with France 1814.	Moon on equator.	1 27 49	line falling from the vertex to
15	SUND.	<i>Low Sunday.</i>	Venus South, 1.54 eve.	1 27 50	the middle of the base is $\sqrt{3859}$ ;
16	Mond.	Battle of Culloden 1746.	Moon east of Mars.	1 27 50	required the base.
17	Tuesd.	Brook's Monument dest. 1840.	Moon at Ascen. node.	1 27 50	Ex. 21.—“The base of a tri-
18	Wed.	First newspaper in Amer. 1704.	Venus eclipsed by Moon.	1 27 51	angle is 194, the line that bis-
19	Thur.	Byron died 1824.	(Venus n'r 7 st.) ☽ ☿ ♄	1 27 51	sects the vertex angle is 66,
20	Friday	Abernethy died 1831.	Sun enters aries.	1 27 51	and diameter of the circum-
21	Satur.	Battle of Landshut 1809.	Moon farthest north.	1 27 51	scribing circle is 200; required
22	SUND.	Turkish monarchy founded 550.	Venus south 2.2 eve.	1 27 52	the other two sides.”
23	Mond.	<i>St. George.</i>	Jupiter south 7.55 mo.	1 27 52	Ex. 22.—The side of a square
24	Tuesd.	Earl of Cathcart Gov. Gen. 1846.	Mars in Aries.	1 27 52	inscribed in a right angled tri-
25	Wed.	Parliament Houses dest. 1849.	Moon in Apogee.	1 27 52	angle is 12, and the radius of
26	Thur.	(25) Princess Alice born 1843.	☿ North of Aldebaran.	1 27 53	its inscribed circle is 7; what
27	Friday	Battle of York, U. C. 1813.	Jupiter south 7.42 mo.	1 27 53	are the sides of the triangle?
28	Satur.	Flight of Mahomet 622.	Moon on equator.	1 27 53	Ex. 23.—Required the radii
29	SUND.	War with France 1803.	Venus south 2.10 eve.	1 27 54	of three equal circles tangent
30	Mond.	St'r Ocean Waves dest. by fire 1853	Venus in Taurus.	1 27 54	within a circle of 12 radius.

Second S

Moon's P

- Full Moon
- Last Quarter
- New Moon
- First Quarter
- Perigee
- Apogee

Day	Mo.	Venus South	Even
1	...	1	4
7	...	1	4
13	...	1	5
19	...	1	5
25	...	2	
28	...	2	1

Day of Month	Day of Week.	Day of Year
1	Sund.	9
2	Mond.	10
3	Tuesd.	11
4	Wed.	12
5	Thur.	13
6	Friday	14
7	Satur.	15
8	Sund.	16
9	Mond.	17
10	Tuesd.	18
11	Wed.	19
12	Thur.	20
13	Friday	21
14	Satur.	22
15	Sund.	23
16	Mond.	24
17	Tuesd.	25
18	Wed.	26
19	Thurs.	27
20	Friday	28
21	Satur.	29
22	Sund.	30
23	Mond.	31
24	Tuesd.	
25	Wed.	
26	Thurs.	
27	Friday	
28	Satur.	
29	Sund.	
30	Mond.	

PROB. 12.  
height of 12  
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just fell. H  
distance wil  
be consume

Latin name

AIGIE.

Rainy Days.	Slight Showers.	Dry days.
3	7	21
3	7	18
2	5	24
1	8	21
6	8	17
2	5	23
2	5	27
2	5	22
1	7	24
6	8	17
5	5	20
5	10	16
38	77	250

Jupiter's Satellites

the base of a triangle  
n of the other two  
e line drawn from  
the middle of the  
229; required the  
es.

the two sides of a  
75 and 61, and the  
from the vertex to  
the base is  $\sqrt{3889}$ ;  
base.

The base of a tri-  
the line that bi-  
rticle angle is 66,  
er of the circum-  
le is 200; required  
o sides."

The side of a square  
a right angled tri-  
and the radius of  
t circle is 7; what  
of the triangle?

Required the radii  
al circles tangenc  
le of 12 radius.

MOON'S PHASES.	D.	Toronto.	Quebec.	Twilight or Daylight begins and ends at—									
				Toronto.		Halifax.		Montreal.		Fredric'tn.		Quebec.	
				Beg.	End	Beg.	End	Beg.	End	Beg.	End	Beg.	End
○ Full Moon .....	2	9 12 mo	9 44 mo	A.	P.	A.	P.	A.	P.	A.	P.	A.	P.
● Last Quarter ...	9	4 19 ev	4 51 ev	h	m	h	m	h	m	h	m	h	m
● New Moon .....	16	9 48 mo	10 20 mo	1	18	0	3	57	8	9	3	56	8
● First Quarter ...	24	0 40 mo	1 12 mo	10	3	42	8	20	3	39	8	23	3
☾ Perigee .....	13	1 14 mo	1 46 mo	20	3	21	8	36	3	17	8	40	3
☾ Apogee .....	25	0 44 mo	1 16 mo	30	3	0	8	54	2	55	8	54	2

Ephemeris of the Planets, &c.

Day Mo.	Venus South Even.	Mars South Even.	Jupit'r South Morn.	Satur'n South Even.	Sun's Longitude.	Sun's Right Ascen.	Venus Right Ascen.	Mars Right Ascen.	Jupit'r Right Ascen.	Satur'n Right Ascen.	Venus Decl. North.	Mars Decl. North.	Jupit'r Decl. North.	Satur'n Decl. North.
1 ...	h m	h m	h m	h m	° ' "	h m	h m	h m	h m	h m	° ' "	° ' "	° ' "	° ' "
7 ...	1 42 0	12 9 7	4 1 11	25 0 42	2 21 0	50 21 41	4 40 14	52 4 4	14 21 20	47				
13 ...	1 47 morn.	8 48 3	40 17 19	1 4 2 49	1 7 21	49 4 42	16 35 6	30 13 59	20 52					
19 ...	1 52 11 58	8 28 3	19 23 12	1 26 3 18	1 24 21	53 4 44	18 52 8	11 13 38	20 58					
25 ...	1 58 11 52	8 9 2	58 29 4	1 48 3 48	1 41 21	57 4 47	20 53 9	51 13 18	21 4					
28 ...	2 5 11 47	7 40 2	37 34 55	2 10 4 18	1 58 22	1 4 50	22 33 11	38 12 51	21 10					
28 ...	2 11 11 31	7 32 2	20 39 46	2 29 4 44	2 12 22	4 4 52	23 40 12	57 12 44	21 14					

Day of Month.	Day of Week.	Day of Year.	Calendar for Upper Canada and Nova Scotia.						Calendar for Lower Canada and New Brunswick.						DEPARTMENT FOR ALL OF UPPER AND LOWER CANADA.														
			Sun Rises.		Sun Sets.		Moon Rises.		Sun Rises.		Sun Sets.		Moon Rises.		Pole Star in Meridian Evening.	Shadow at Noon Mark. Evening.	Mr's Age Noon.	Moon South. Even.	Moon's Place at 7 P. M.	Sun's Declination North.									
			h	m	h	m	h	m	h	m	h	m	h	m															
			h	m	h	m	h	m	h	m	h	m	h	m															
1	Sund.	91	5	41	6	27	5	36	5	44	6	24	5	36	0	27	20	12	4	0	14.5	11	52	nx	5	4	31	9	
2	Mond.	92	5	39	6	28	6	41	5	43	6	25	6	43	0	23	24	12	3	42	15.5	Morn	do.	17	4	54	14		
3	Tuesd.	93	5	37	6	29	7	48	5	42	6	26	7	52	0	19	28	12	3	24	16.5		34	do.	30	5	17	14	
4	Wed.	94	5	36	6	30	8	58	5	39	6	27	8	4	0	15	33	12	3	6	17.5	1	18	△	13	5	40	9	
5	Thurs.	95	5	34	6	32	10	11	5	38	6	28	10	19	0	11	37	12	2	48	18.5	2	5	do.	26	6	2	58	
6	Friday	96	5	32	6	33	11	22	5	35	6	29	11	32	0	7	41	12	2	30	19.5	2	56	m	9	6	25	40	
7	Satur.	97	5	30	6	34	Morn	5	33	6	31	Morn			0	3	45	12	2	13	20.5	3	51	do.	23	6	48	16	
8	Sund.	98	5	28	6	36		34	5	32	6	32		46	Morning	12	1	56	21.5	4	50		f	7	7	10	46		
9	Mond.	99	5	26	6	37		1	37	5	30	6	34	1	49	11	55	53	12	1	39	22.5	5	51	do.	21	7	33	8
10	Tuesd.	100	5	24	6	38		2	31	5	28	6	35	2	41	11	51	58	12	1	22	23.5	6	52	W	5	7	55	22
11	Wed.	101	5	23	6	39		3	14	5	26	6	36	3	23	11	48	2	12	1	6	24.5	7	51	do.	19	8	17	29
12	Thurs.	102	5	21	6	40		4	38	5	25	6	37	3	54	11	44	6	12	0	50	25.5	8	47	W	4	8	39	28
13	Friday	103	5	19	6	42		4	15	5	23	6	38	4	19	11	40	10	12	0	34	26.5	9	39	do.	18	9	1	18
14	Satur.	104	5	18	6	43		4	39	5	21	6	39	4	41	11	36	14	12	0	19	27.5	10	29	X	3	9	22	59
15	Sund.	105	5	16	6	44	Sets		5	19	6	41	Sets		11	32	18	12	0	4	28.5	11	18	do.	17	9	44	31	
16	Mond.	106	5	14	6	45	7	25	18	6	42	7	5	11	28	23	Morning	29.5	Ev.	6				φ	1	10	5	54	
17	Tuesd.	107	5	12	6	47	8	16	5	15	6	44	8	21	11	24	27	11	59	34	1.1		56	do.	15	10	27	6	
18	Wed.	108	5	11	6	48	9	29	5	13	6	45	9	37	11	20	31	11	59	20	2.1	1	46	do.	28	10	48	8	
19	Thurs.	109	5	9	6	49	10	39	5	11	6	47	10	49	11	16	36	11	59	7	3.1	2	38	Y	11	11	9	0	
20	Friday	110	5	7	6	50	11	43	5	10	6	48	11	55	11	12	39	11	58	54	4.1	3	32	do.	24	11	29	40	
21	Satur.	111	5	6	6	51	Morn	5	8	6	50	Morn	11	8	44	11	58	41	5.1	4	26		Π		6	11	50	9	
22	Sund.	112	5	4	6	53		40	5	6	51		52	11	4	49	11	58	29	6.1	5	18	do.		19	12	10	26	
23	Mond.	113	5	3	6	54	1	27	5	4	52	1	37	11	0	53	11	58	17	7.1	6	9	Σ		1	12	30	31	
24	Tuesd.	114	5	1	6	55	2	6	5	3	53	2	15	10	56	58	11	58	6	8.1	6	50	do.		12	12	50	24	
25	Wed.	115	4	59	6	56	2	36	5	2	6	54	2	44	10	53	2	11	57	55	9.1	7	42	do.		24	13	10	4
26	Thurs.	116	4	58	6	57	3	25	0	6	56	3	8	10	49	6	11	57	44	10.1	8	25	Ω		6	13	29	31	
27	Friday	117	4	56	6	59	3	23	4	58	6	58	3	27	10	45	11	11	57	34	11.1	9	6	do.		18	13	48	44
28	Satur.	118	4	55	7	0	3	49	4	56	6	58	3	51	10	41	15	11	57	24	12.1	9	47	nx		1	13	7	44
29	Sund.	119	4	53	7	1	4	14	5	55	6	59	4	1	10	37	19	11	57	15	13.1	10	29	do.		13	14	26	30
30	Mond.	120	4	52	7	2	4	19	4	54	7	0	4	17	10	33	24	11	57	7	14.1	11	13	do.		26	14	45	2

PROB. 12.—An India-rubber ball falls from a height of 12 feet, and bounds back 6 feet. At every fall it bounds back half the distance it just fell. How many bounds will it make, what distance will it have moved, and what time will be consumed, when it comes to a state of rest?

PROB. 13.—If 4 men saw 15 cords of oak in the same time 5 men saw 14 cords of hickory, and if 3 men saw 18 cords of hickory in 3 days, at 12 hours a day, how many hours a day must 7 men work to saw 90 cords of oak in 6 days?

8 May, the Fifth Month of our year, was the second in the old Alban Calendar; our Saxon ancestors, after the Romans called it *Maius* Month. Zodiaccal sign—TAURUS, the Bull.

Mean Results of Meteorological Observations at Hamilton, by Dr. CRAIGIE.  
1850.

MONTH.	THERMOMETER.			Highest.	Lowest.	BAROMETER.			Rainy days.	Slight Showers.	Dry Days.	
	Mean at Nine, A. M.	Mean at Nine, P. M.	Mean of both.			Mean.	Highest.	Lowest.				
	°	°	°									
January.....	30.61	31.35	30.98	50	15	29.71	30.18	28.96	6	3	22	
February ...	29.428	31.50	30.464	59	8	29.593	30.26	28.78	5	5	18	
March .....	33.00	33.74	33.37	60	14	29.626	30.22	28.70	2	6	24	
April .....	41.46	40.9	41.19	80	21	29.614	30.05	28.95	5	6	19	
May .....	53.60	51.4	52.50	90	36	29.619	30.00	29.00	1	5	25	
June .....	70.56	68.1	69.33	95	46	29.738	30.00	29.50	0	8	22	
July .....	74.29	73.39	73.84	101	56	29.691	29.88	29.48	5	5	21	
August .....	71.74	70.97	71.355	100	52	29.691	29.95	29.40	5	7	19	
September...	61.76	60.43	61.1	86	37	29.715	30.02	29.44	3	5	22	
October .....	49.30	49.7	49.5	78	31	29.657	30.00	29.30	3	8	20	
November ...	42.00	43.73	42.866	74	22	29.717	30.10	29.30	4	5	21	
December ...	28.355	28.225	28.29	52	0	29.70	30.22	29.10	7	8	16	
Mean.....	48.782			Mean heat 29.673						46	71	249

Day of Month	Day of Week.	Remarkable Events.	ASTRONOMICAL NOTES.	Polar Distance of Pole Star.	Eclipses of Jupiter's Satellites.
1	Tuesd.	Prince Arthur born 1850.	Moon eclipsed, visible.	1 27 54	at. Toronto. D. H. M.
2	Wed.	J) Wellington born 1769.	Saturn near Venus.	1 27 54	I. Disapp. 2 3 16 Mo.
3	Thur.	Jamaica discovered 1494.	Jupiter enters Aquarius	1 27 55	II. Reapp. 14 3 52 Mo.
4	Friday	Siege of Quebec raised 1776.	Venus in perihelion.	1 27 55	IV. Reapp. 15 3 40 Mo.
5	Satur.	Napoleon died, 1821.	Moon farthest South.	1 27 55	II. Disapp. 22 1 33 Mo.
6	SUND.	Isvego taken, 1814.	Venus in 8 horns.	1 27 55	I. Disapp. 25 3 25 Mo.
7	Mond.	Socrates died 389 B. C.	Uranus 8 Sun. 8 8 8	1 27 55	
8	Tuesd.	Schiller died, 1805.	Moon in perigee.	1 27 56	
9	Wed.	Col. Steam Nav. Co. incorp.	Saturn in Taurus.	1 27 56	
10	Thur.	Battle of Lodi 1796.	Uranus near Mercury.	1 27 56	Ex. 24.—Given the base, 16,
11	Friday	Lord Chatham died, 1773.	Moon on equator.	1 27 56	and the difference of the other
12	Satur.	Stratford beheaded, 1641.	Mercury Ascen. node.	1 27 57	two sides, 4, of a triangle, to find
13	SUND.	Rogation Sunday.	Mercury Sup. 8 Sun.	1 27 57	these sides, the product of said
14	Mond.	Fahrenheit born 1686.	Moon at Ascen. node.	1 27 57	difference and the longest side
15	Tuesd.	O'Connell died 1847.	Moon near Mars. ☉ ec.	1 27 57	being equal to the square of the
16	Wed.	Mrs. Hemans died 1835.	Moon near Merc. 8 8 8	1 27 58	shortest side.
17	Thur.	Ascension Day.	Venus farthest north.	1 27 58	Ex. 25.—Given the base, 30,
18	Friday	Napoleon Emperor 1804.	Moon farthest n. 8 8 8	1 27 58	and altitude 24, and the ratio of
19	Satur.	Sir C. Bagot died, 1843.	Venus in Gemini.	1 27 58	the other two sides, as 8 to 5 of
20	SUND.	Columbus died 1506.	☿ in Aquarius.	1 27 58	a triangle, to find the sides.
21	Mond.	Riots at Montreal 1832.	Sun enters Taurus.	1 27 58	Ex. 26.—Required the area of
22	Tuesd.	20) Russian Mon. founded 850.	Jupiter 90° West of Sun	1 27 59	Triangle, two of whose sides
23	Wed.	Battle of Ramilies 1706.	Venus south 2.39 eve.	1 27 59	are 21, and 30, the included
24	Thur.	Slight Earthq. at Bytown 1853.	Jupiter south, 6.9 mo.	1 27 59	angle being 80°.
25	Friday	24) Queen Victoria born, 1819.	Saturn near Mercury.	1 27 59	Ex. 27.—The legs of a
26	Satur.	25) Princess Helena born	Moon on equator.	1 27 59	right-angled triangle are
27	SUND.	Pentecost.	(29th, Mars at ☿)	1 28 0	3x and x <sup>3</sup> , and the line
28	Mond.	27) Fort George taken 1814.	Venus south 2.45 eve.	1 28 0	that bisects the right-
29	Tuesd.	30) Reubens died 1640.	Moon at Desc. node.	1 28 0	angle is x <sup>3</sup> ; what is the
30	Wed.	Sir P. Melindale died 1854.	Mars near 7 Stars.	1 28 0	area of the figure?
31	Thur.	Javazzi arrived in Toronto 1853.	Venus south of Pollux.	1 28 0	

○ Full Mo  
● Last Qu  
● New Mo  
● First Qu  
● Full Mo  
○ Apogee

Day Mo.	Year	Source	Event
1	...	2	1
7	...	2	2
13	...	2	3
19	...	2	4
25	...	2	5
31	...	2	6

Day of Month	Day of Week.
1	Tuesd.
2	Wed.
3	Thur.
4	Friday
5	Satur.
6	Sund.
7	Mond.
8	Tuesd.
9	Wed.
10	Thur.
11	Friday
12	Satur.
13	Sund.
14	Mond.
15	Tuesd.
16	Wed.
17	Thur.
18	Friday
19	Satur.
20	Sund.
21	Mond.
22	Tuesd.
23	Wed.
24	Thur.
25	Friday
26	Satur.
27	Sund.
28	Mond.
29	Tuesd.
30	Wed.
31	Thur.

1 Tuesd. 1  
2 Wed. 1  
3 Thur. 1  
4 Friday 1  
5 Satur. 1  
6 Sund. 1  
7 Mond. 1  
8 Tuesd. 1  
9 Wed. 1  
10 Thur. 1  
11 Friday 1  
12 Satur. 1  
13 Sund. 1  
14 Mond. 1  
15 Tuesd. 1  
16 Wed. 1  
17 Thur. 1  
18 Friday 1  
19 Satur. 1  
20 Sund. 1  
21 Mond. 1  
22 Tuesd. 1  
23 Wed. 1  
24 Thur. 1  
25 Friday 1  
26 Satur. 1  
27 Sund. 1  
28 Mond. 1  
29 Tuesd. 1  
30 Wed. 1  
31 Thur. 1

PROB. 14  
of a board  
wide, when  
line drawn  
the line.



our Saxon  
Bull.

AIGIE.

Rainy days.	Slight Showers.	Dry Days.
6	3	22
5	5	18
2	6	24
5	6	19
1	5	25
0	8	22
5	5	21
5	7	19
3	5	22
3	8	20
4	6	21
7	8	16

piter's Satellitem

D.	H.	M.
2	3	16 Mo.
14	3	52 Mo.
15	3	40 Mo.
22	1	33 Mo.
25	3	25 Mo.

on the base, 16,  
nce of the other  
triangle, to find  
product of said  
the longest side  
the square of the

on the base, 39,  
and the ratio of  
sides, as 8 to 5 of  
nd the sides.

quired the area of  
of whose sides  
the included  
.

The legs of a  
triangle are  
and the line  
the right-  
what is the  
figure?

MOON'S PHASES.	D.	Toronto.		Quebec.		Twilight or Daylight begins & ends at—											
						Toronto.		Halifax.		Montreal.		Fredericton.		Quebec.			
						Day.											
		Beg.	End	Beg.	End	Beg.	End	Beg.	End	Beg.	End	Beg.	End	Beg.	End		
		A. M.	P. M.	A. M.	P. M.	A. M.	P. M.	A. M.	P. M.	A. M.	P. M.	A. M.	P. M.	A. M.	P. M.		
○ Full Moon...	1	10	46 ev	11	18 ev												
● Last Quarter	8	9	45 ev	10	17 ev	h	m	h	m	h	m	h	m	h	m		
○ New Moon...	15	8	56 ev	9	28 ev	12	57	8	54	52	9	12	46	9	52		
● First Quarter	23	6	46 ev	7	18 ev	10	2	40	9	12	40	9	12	27	9	25	
○ Full Moon...	31	9	31 mo	10	3 mo	20	22	9	30	2	44	9	32	2	6		
○ Apogee .....	22	8	8 ev	8	40 ev	30	1	8	48	1	58	9	51	1	49		

### Ephemeris of the Planets, &c.

Day Mo.	Venus South Even.	Mars South Morn.	Jup't South Morn.	Satur South Even.	Sun's Longtude.	Sun's Right Ascen.	Venus Right Ascen.	Mars Right Ascen.	Jup't Right Ascen.	Satur Right Ascen.	Venus Decl. North.	Mars Decl. North.	Jup't Decl. South.	Satur Decl. North.
	h m	h m	h m	h m	°	h m	h m	h m	h m	h m	°	°	°	°
1 ...	2 12	11 38	7 29	2 16	40 44	2 33	4 49	2 15	22 4	4 53	23 52	13 12	12 41	21 15
7 ...	2 20	11 32	7 8	1 55	46 33	2 56	5 20	2 32	22 8	4 50	24 47	14 41	12 27	21 21
13 ...	2 27	11 26	6 48	1 35	52 20	3 20	5 51	2 43	22 10	4 50	25 17	16 5	12 11	21 26
19 ...	2 35	11 19	6 27	1 15	58 7	3 43	6 23	3 6	22 13	5 1	25 22	17 24	11 54	21 32
25 ...	2 42	11 12	6 5	0 54	53 53	4 7	6 54	3 24	22 15	5 1	25 18	18 55	11 48	21 37
31 ...	2 48	11 7	5 43	0 34	59 38	4 32	7 24	3 42	22 17	5 1	24 16	19 41	11 40	21 42

Day of Month.	Day of Week.	Day of Year.	Calendar for Upper Canada and Nova Scotia.			Calendar for Lower Canada and New Brunswick.			DEPARTMENT FOR ALL OF UPPER AND LOWER CANADA.							
			Sun Rises.	Sun Sets.	Moon Rises.	Sun Rises.	Sun Sets.	Moon Rises.	Pole Star in Meridian Morning.	Shadow at Noon.	Mn's Age Noon.	Moon South Even.	Moon's Place at 7 P. M.	Sun's Declination North.		
			h m	h m	h m	h m	h m	h m	h m	h m	days	h m	h m	°	°	°
46	71	249														
1	Tuesd.	121	4 50	7 4	Rises	4 53	7 1	Rises	10 29	29	11 56	59	15.1	11 59	♌	9 15 3 19
2	Wed.	122	4 49	5 7	5 5	4 51	7 3	8 3	10 25	33	11 56	51	16.1	Morn	do.	22 15 21 21
3	Thur.	123	4 47	7 9	11 4	4 49	5 9	19	10 21	38	11 56	44	17.1	49	♍	6 15 39 8
4	Friday	124	4 46	7 10	24 4	4 47	6 10	35	10 17	42	11 56	38	18.1	1 44	do.	20 15 56 40
5	Satur.	125	4 45	7 8	11 31	4 47	7 11	42	10 13	47	11 56	32	19.1	2 43	♎	4 16 13 55
6	Sund.	126	4 43	7 9	Morn	4 45	9	Morn	10 9	51	11 56	27	20.1	3 45	do.	18 16 30 55
7	Mon.	127	4 42	7 11	29 4	437	9	40	10 5	56	11 56	21	21.1	4 46	♏	2 16 47 39
8	Tuesd.	128	4 41	7 12	1 15	4 42	7 10	1 24	10 2	0	11 56	18	22.1	5 46	do.	16 17 4 6
9	Wed.	129	4 39	7 13	1 50	4 40	7 12	1 57	9 58	5	11 56	15	23.1	6 42	do.	30 17 20 16
10	Thur.	130	4 38	7 14	2 19	4 39	7 13	2 24	9 54	9	11 56	12	24.1	7 34	♐	15 17 36 9
11	Friday	131	4 37	7 16	2 43	4 37	7 15	2 46	9 50	14	11 56	10	25.1	8 24	do.	29 17 51 44
12	Satur.	132	4 36	7 17	3 5	4 36	7 16	3 6	9 46	19	11 56	8	26.1	9 11	♑	13 18 7 2
13	Sund.	133	4 35	7 18	3 27	4 34	7 18	3 25	9 42	23	11 56	7	27.1	9 58	do.	26 18 22 1
14	Mon.	134	4 34	7 19	3 49	4 33	7 19	3 45	9 38	28	11 56	6	28.1	10 46	♒	10 18 36 42
15	Tuesd.	135	4 32	7 20	Sets.	4 32	7 20	Sets	9 34	33	11 56	6	29.1	11 36	do.	23 18 51 4
16	Wed.	136	4 31	7 21	8 20	4 31	7 21	8 29	9 30	37	11 56	7	30.1	12 24	♓	7 19 5 7
17	Thur.	137	4 30	7 22	9 29	4 30	7 22	9 39	9 26	42	11 56	8	1.6	1 20	do.	19 19 18 51
18	Friday	138	4 29	7 23	10 29	4 29	7 23	10 40	9 22	47	11 56	10	2.6	2 14	♈	2 19 32 15
19	Satur.	139	4 28	7 24	11 20	4 28	7 24	11 31	9 18	52	11 56	12	3.6	3 8	do.	14 19 45 19
20	Sund.	140	4 27	7 25	Morn	4 27	7 25	Morn	9 14	56	11 56	15	4.6	4 0	do.	26 19 58 3
21	Mon.	141	4 26	7 26	34	26	7 26	12	9 11	1	11 56	18	5.6	4 49	♉	8 20 10 26
22	Tuesd.	142	4 25	7 27	36	4	27	27	9 7	6	11 56	22	6.6	5 35	do.	20 20 22 29
23	Wed.	143	4 25	7 28	1 4	24	7 28	1 11	9 3	10	11 56	27	7.6	6 19	♊	2 20 34 11
24	Thur.	144	4 24	7 29	1 27	4	27	30	8 59	15	11 56	32	8.6	7 1	do.	14 20 45 32
25	Friday	145	4 23	7 30	1 46	4	28	31	8 52	20	11 56	37	9.6	7 42	do.	26 20 56 31
26	Satur.	146	4 22	7 31	2 5	4	22	32	8 51	24	11 56	43	10.6	8 23	♋	9 20 7 8
27	Sund.	147	4 21	7 32	2 24	4	21	33	8 47	29	11 56	49	11.6	9 5	do.	21 21 17 24
28	Mon.	148	4 21	7 33	2 43	4	20	34	8 43	34	11 56	56	12.1	9 50	♌	4 21 27 17
29	Tuesd.	149	4 20	7 34	3 4	4	19	35	8 39	3	11 57	3	13.6	10 39	do.	17 21 36 49
30	Wed.	150	4 20	7 35	Rises	4	19	35	8 35	44	11 57	11	14.6	11 32	♍	1 21 45 58
31	Thur.	151	4 19	7 36	8 7	4	18	36	8 31	49	11 57	19	15.6	Morn.	do.	15 21 54 44

PROB. 14.—Required the length of each part of a board 12 feet long, and from 12 to 15 inches wide, when it is divided in two equal parts by a line drawn directly crosswise, also the length of the line.

PROB. 15.—The outside or longest curve of a

crescent is a semi-circle, and the inside curve a quadrant, required the radius of each, the area of the crescent being 100.

PROB. 16.—A body slides (without friction) down a plane inclined 30°, and acquires a velocity of 600 ft. per second. Required its length.

II This is the sixth month of the year, and has for its sign GEMINI, the Twins; the most probable derivation of its name is from *Junio*, in honour of whom a festival was celebrated at the beginning of the month.

Mean Results of Meteorological Observations at Hamilton, by Dr. CRAIGIE.  
1851.

MONTH.	THERMOMETER.			Highest.	Lowest.	BAROMETER.			Rainy days.	Slight showers.	Dry days.
	Mean at Nine A. M.	Mean at Nine P. M.	Mean of both.			Mean.	Highest.	Lowest.			
January.....	29.61	32.16	30.885	52	-6	29.665	30.42	28.88	5	5	21
February ...	33.00	33.20	33.100	57	9	29.805	30.36	29.28	5	6	17
March .....	37.774	396.774	387.257	75	21	29.693	07	30	2	6	23
April .....	44.76	45.7	45.23	77	29	64	30	15	4	6	20
May .....	56.45	55.45	55.95	88	31	71	10	24	2	8	21
June .....	65.83	64.16	65.00	92	43	65	06	18	3	8	19
July .....	69.94	70.00	69.97	97	53	639	29.86	40	4	8	19
August .....	68.13	67.77	67.95	91	49	749	30.02	50	4	5	22
September ..	63.06	63.00	63.03	96	36	838	30.25	25	5	3	22
October .....	50.2	50.51	50.35	77	27	6.375	00	28	2	8	21
November ...	38.43	38.13	38.28	53	26	652	40	02	4	7	19
December ...	26.16	26.80	26.48	52	0	68	20	28.90	5	9	17
Mean.....	48.756			Mean heat 29.6882					45	79	241

Day of Month.	Day of Week.	Remarkable Events.	ASTRONOMICAL NOTES.	Polar Distance of Pole Star.	Eclipses of Jupiter's Satellites.
1	Friday	Lord Howe's Victory 1794.	Mercury farthest north.	1 28 0	Sat. Toronto. D. B. M.
2	Satur.	Riots in London 1780.	Moon farthest south.	-4 28 0	I. Disapp. 10 1 41 Mo.
3	SUND.	Trinity Sunday.	Moon in Perigee.	1 28 0	I. Disapp. 17 3 35 Mo.
4	Mond.	Leopold King of Belgians 1831.	Venus south 2.52 eve.	1 28 0	III. Reapp. 18 11 52 Ev.
5	Tuesd.	Printers' Strike in Toronto 1854.	Moon near Jupiter.	1 28 1	I. Disapp. 23 1 11 Mo.
6	Wed.	Gavazzi's riots in Quebec 1853.	Jupiter South 5.21 mo.	1 28 1	III. Disapp. 25 11 58 Ev.
7	Thur.	Corpus Christi.	Saturn in Taurus.	1 28 1	
8	Friday	(7) Parkes' Steam Boiler expl. '54	Moon on equator.	1 28 1	
9	Satur.	St. John's N. F. burnt, 1846.	Mars N. of Aldebaran.	1 28 1	
10	SUND.	(9) Gavazzi Riots Montreal, 1853.	Saturn & Sun.	1 28 1	
11	Mond.	Hon. S. Smith Admin. 1817.	Moon at Ascen. node.	1 28 1	Ex. 28.—The area of a right-angled triangle is 108: what are the sides, they being in arithmetical progression?
12	Tuesd.	(10) Steamer Admiral burnt 1853.	Venus in $\alpha\beta$ nebula.	1 28 1	
13	Wed.	Corsica taken by France, 1769.	Mercury in Gemini.	1 28 1	
14	Thur.	Battle of Marengo 1800.	Mercury gr. elong. E.	1 28 1	Ex. 29.—Required the side of a figure of 12 equal sides, inscribed in a circle whose radius is 10.
15	Friday	Magna Charta signed 1215.	Moon farthest north.	1 28 1	
16	Satur.	Marlborough died, 1722.	Moon east of Mercury.	1 28 1	
17	SUND.	John Wesley born 1703.	Moon near Venus.	1 28 1	
18	Mond.	Montr. & Portland R. R. op. 1853.	Jupiter in Aquarius.	1 28 1	Ex. 30.—The area of a triangle is 4140, and two of the sides are 202 and 41: required the third side.
19	Tuesd.	(18) Battle of Waterloo 1815.	Moon in Apogee.	1 28 2	
20	Wed.	Scriptures Prohibited 1230.	Jupiter South 4.28 mo.	1 28 2	Ex. 31.—The sides of a field are 25, 35, 31, and 19 rods, the diagonals being equal, what is its area?
21	Thur.	Queen Victoria's acces. 1837.	Sun enters Gemini.	1 28 2	
22	Friday	Machiavel died 1527.	Jupiter Stationary.	1 28 2	
23	Satur.	M. Aikenside died 1770.	Jupiter South 4.16 mo.	1 28 2	
24	SUND.	French Revolution 1848.	Venus south 3.6 ev.	1 28 2	
25	Mond.	Battle of Bannockburn, 1314.	Moon at Desc. node.	1 28 2	
26	Tuesd.	(27) Lochokke died 1848.	Mars in Taurus.	1 28 2	
27	Wed.	Steamer St. Joseph burnt 1853.	Jupiter south 4.0 mo.	1 28 2	Ex. 32.—The legs of a right-angled triangle are 3 to 4, and difference of inscribed circle and square = 20.2825: required the legs.
28	Thur.	Great Fire at Quebec, 1843.	Mercury stationary.	1 28 2	
29	Friday	(28) Coronation of the Q'n 1838.	Moon farthest south.	1 28 2	
30	Satur.	Sir P. Maitland Lt.-Gov. 1820.	Venus in the Sic. of Leo.	1 28 2	

the most  
brated at the

ALGIE.

Rainy days.	Slight showers.	Dry days.
5	5	21
5	6	17
2	6	23
4	6	20
2	8	21
3	8	19
4	8	19
4	5	22
5	3	22
2	8	21
4	7	19
5	9	17

pliter's Satellites.

D. H. W.  
10 1 41 Mo.  
17 3 35 Mo.  
18 11 52 Ev.  
23 1 11 Mo.  
25 11 58 Ev.  
26 0 18 Mo.

area of a right-  
triangle: what are  
the sides, in arith-  
metical progression?

required the side of  
an equal sided, tri-  
angle whose radius

area of a tri-  
angle and two of the  
sides and 41: required

sides of a field  
and 19 rods, the  
area equal, what is

legs of a right-  
triangle are 3 to 4, and  
the hypotenuse is 5  
and 25: required the

MOON'S PHASES.	D.	Toronto.		Quebec.		Twilight or Daylight begins and ends at—											
						Toronto.		Halifax.		Montreal.		Fredricton.		Quebec.			
		A	M	A	M	Beg.	End	Beg.	End	Beg.	End	Beg.	End	Beg.	End	Beg.	End
☉ Last Quar.	7	2	31 mo	3	3 mo	h	m	h	m	h	m	h	m	h	m	h	m
☾ New Moon.	14	9	11 mo	9	43 mo	1	5	1	5	1	5	1	5	1	5	1	5
☀ First Quar.	22	11	35 mo	0	7 mo	12	5	10	5	10	5	10	5	10	5	10	5
☾ Full Moon.	29	5	57 ev	6	29 ev	10	1	10	1	10	1	10	1	10	1	10	1
☾ Perigee ...	3	8	14 ev	8	46 ev	20	1	20	1	20	1	20	1	20	1	20	1
☾ Apogee ...	19	1	14 ev	1	46 ev	30	2	30	2	30	2	30	2	30	2	30	2

### Ephemeris of the Planets, &c.

Day Mo.	Venus South Even.	Mars South Morn.	Jupiter South Morn.	Saturn South Even.	Sun's Longi- tude.	Sun's Right Ascen.	Venus Right Ascen.	Mars Right Ascen.	Jupiter Right Ascen.	Saturn Right Ascen.	Venus Decl. North.	Mars Decl. North.	Jupiter Decl. South.	Saturn Right Ascen.
h	m	h	m	h	m	h	m	h	m	h	m	h	m	h
1 ...	2 49	11 6	5 40	0 31	70 25	4 36	7 29	3 45	22 17	5 9	24 7	19 51	11 39	21 42
7 ...	2 55	11 0	5 17	0 10	76 20	5 1	7 58	4 22	22 18	5 12	22 55	20 48	11 33	21 47
13 ...	3 0	10 54	4 55	morn	82 4	5 25	8 27	4 20	22 19	5 16	21 23	21 38	11 30	21 51
19 ...	3 4	10 49	4 32	11 30	87 48	5 50	8 54	4 38	22 20	5 19	19 33	22 21	11 28	21 55
25 ...	3 7	10 43	4 8	11 10	93 31	6 15	9 21	4 56	22 20	5 22	17 23	22 56	11 31	21 58
30 ...	3 8	10 38	3 48	10 53	98 17	6 56	9 42	5 11	22 19	5 25	15 31	23 19	11 34	22 1

Day of Month.	Day of Week.	Calendar for Upper Canada and Nova Scotia.						Calendar for Lower Canada and New Brunswick.						DEPARTMENT FOR ALL OF UPPER AND LOWER CANADA.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
		Sun			Moon			Sun			Moon			Pole Star In Meridian Morning.	Shadow at Noon Mark Evening.	Mn's Age Noon.	Moon South Morn.	Moon's Place at 7 P. M.	Sun's Declination North.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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PROB. 17.—The lengths of three poles are 40, 43, and 45 feet. Their tops are raised and tied together, and their bottoms stand on the corners of an equilateral triangle, 32 feet on a side. What will be the height of their tops?

PROB. 18.—The height of three towers are

B

28, 30, and 34 feet, which are placed at the corners of a garden, in the form of an equilateral triangle, 50 feet on a side. Where in the garden must a pole be placed, and how long will it be, that it may just reach the top of each tower?



25 July is the seventh month of the year—according to ancient reckoning it was the fifth; Mark Anthony denominated it July, in compliment to Julius Cæsar, who was born in it. CANCER, the Crab, is its Zodiacal sign.

Mean Results of Meteorological Observations at Hamilton by Dr. CRAIGIE.  
1852.

MONTH.	THERMOMETER.			Highest.	Lowest.	BAROMETER.			Rainy days.	Slight showers.	Dry days.
	Mean at Nine A. M.	Mean at Nine P. M.	Mean of both.			Mean.	Highest.	Lowest.			
January.....	22.87	24.645	23.76	45	-6	29.59	30.00	29.05	7	9	15
February ...	28.00	29.20	28.60	54	-2	29.79	32	28.72	2	9	18
March .....	32.90	33.10	33.00	58	5	30.34	32	29.72	6	5	20
April .....	41.80	41.73	41.77	69	26	30.475	29.85	29.95	6	8	16
May .....	57.61	56.00	56.805	88	35	30.71	30.15	29.20	2	5	24
June .....	65.66	65.26	65.96	98	44	30.633	00	29.15	3	8	19
July .....	71.61	70.55	71.08	101	52	29.721	29.95	30	2	4	25
August .....	69.80	69.00	69.40	97	52	30.768	30.00	29.46	2	9	20
September...	60.70	60.30	60.50	95	38	30.764	02	29.05	5	5	20
October .....	52.58	52.32	52.45	76	34	30.72	10	29.30	5	4	22
November ...	39.16	39.73	39.45	57	27	30.645	17	29.07	3	6	21
December ...	35.709	36.645	36.177	59	18	30.641	20	29.10	8	6	17
Mean temperature of year .....48.248						Mean heat 29.657			52	78	237

Day of Month.	Day of Week.	Remarkable Events.	ASTRONOMICAL NOTES.	Polar Distance of Pole Star.	Eclipses of Jupiter's Satellites.
1	SUND.	Sir E. P. Robinson Lt.-Gov. 1815.	Moon in Perigee.	0 / //	Sat. Toronto. D. H. M.
2	Mond.	Sir R. Peel died 1850.	Moon near Jupiter.	1 23 1	I. Disapp. 3 1 52 Mo.
3	Tuesd.	Quebec founded 1608.	Earth farthest from Sun	1 28 1	I. Disapp. 11 10 15 Eve.
4	Wed.	Great Fire in Brockville 1853.	(5th Venus n'r Regulus)	1 28 1	II. Disapp. 17 10 12 Eve.
5	Thur.	French take Algiers 1830.	Moon on equator.	1 28 1	I. Disapp. 19 0 9 Mo.
6	Friday	Battle of Malda 1806.	Saturn near Mars.	1 28 1	IV. Disapp. 20 11 32 Eve.
7	Satur.	Col. Simcoe Lt.-Gov. 1792.	Saturn in Taurus.	1 28 1	II. Disapp. 25 0 47 Mo.
8	SUND.	E. Burke died 1797.	Moon at Ascen. node.	1 28 1	
9	Mond.	St'r Queen of the West burnt 1853	Moon near Uranus.	1 28 1	Ex. 33.—The radii of two circles are 40 and 50; required the area they enclose, the distance between the centres being 70.
10	Tuesd.	Columbus born 1447.	Jupiter south 3.7 Mo.	1 28 1	
11	Wed.	Lalande born 1732.	Moon east of ♄ and ♀.	1 28 1	Ex. 34.—The sides of a triangle are 65, 55, and 100. Required the distance of a point within, from the corners, so which if lines be drawn, will divide the triangle into three equal parts.
12	Thur.	Erasmus died 1536.	Moon high. ♄ Inf. ♀ ☉	1 28 1	
13	Friday	Napoleon surrendered 1815.	Moon near Mercury.	1 28 1	Ex. 35.—The area of a right-angled triangle is 15.60, and the difference between the hypothenuse and one leg is 50: what are the sides?
14	Satur.	Sir James Stuart died 1853.	Venus in Leo.	1 28 1	Ex. 36.—The two sides of a triangle adjacent to the base are 100 and 109; the distance from their angle to the centre of the circle inscribed in the triangle is 50. Required the base.
15	SUND.	Detroit taken, 1812.	Jupiter in Aquarius.	1 28 1	
16	Mond.	Sir Joshua Reynolds born 1723.	Mars at the Solstice.	1 28 1	
17	Tuesd.	Michilimackinac taken 1842.	Moon near Venus.	1 28 1	
18	Wed.	Three men lost at N. Falls, 1853.	Venus south 3.6 ev.	1 28 1	
19	Thur.	Princess Augusta born 1822.	Mars farthest north.	1 28 1	
20	Friday	Play fair died 1819.	Jupiter south 2 25 mo.	1 28 1	
21	Satur.	Hon. P. Russell Presid. 1796.	Venus at Desc. node.	1 28 0	
22	SUND.	Battle of Salamanca 1812.	Mercury stationary.	1 28 0	
23	Mond.	Canadas United 1840.	Sunent. ☿. ♀ gr. el. E.	1 28 0	
24	Tuesd.	Gibraltar taken by Britain 1704.	☿ south 3.8 eve.	1 28 0	
25	Wed.	Battle of Lundy's Lane, 1813.	Mars in Gemini.	1 27 9	
26	Thur.	Battle of Aboukir 1799.	Moon lowest.	1 27 59	
27	Friday	French Revolution, 1830.	Venus south 3.1 eve.	1 27 59	
28	Satur.	Lord Durham died, 1840.	Jupiter south 1 51 Mo.	1 27 59	
29	SUND.	Robespierre guillotined.	Moon in Perigee.	1 27 58	
30	Mond.	William Penn died 1713.	Moon near Jupiter.	1 27 58	Ex. 37.—How much of the earth's surface can a man see if he be 100 miles above the earth, radius being 7912 miles?
31	Tuesd.	Ignatius Loyola died 1556.	Venus in Leo's foot.	1 27 58	

- ☉ Last Q.
- ☾ New M.
- ☽ First Q.
- ☼ Full M.
- ☾ Apogee
- ☼ Perigee

Day	Mo.	Se.
1	...	3
7	...	3
13	...	3
19	...	3
25	...	3
31	...	2

Day of Month.	Day of Week.
1	Sund.
2	Mond.
3	Tuesd.
4	Wed.
5	Thur.
6	Friday
7	Satur.
8	Sund.
9	Mond.
10	Tuesd.
11	Wed.
12	Thur.
13	Friday
14	Satur.
15	Sund.
16	Mond.
17	Tuesd.
18	Wed.
19	Thur.
20	Friday
21	Satur.
22	Sund.
23	Mond.
24	Tuesd.
25	Wed.
26	Thur.
27	Friday
28	Satur.
29	Sund.
30	Mond.
31	Tuesd.

PROB. 1 is 30 lbs. which are PROB. 2 triangles,

the fifth;  
orn in it.

IE.

Slight showers.  
Dry days.

MOON'S PHASES.	D.	Toronto.		Quebec.		Twilight or Daylight begins and ends at—											
						Toronto.		Halifax.		Montreal.		Fredricton.		Quebec.			
		h	m	h	m	Beg.	End	Beg.	End	Beg.	End	Beg.	End	Beg.	End	Beg.	End
☉ Last Quar.	6	8	11 mo	8	43 mo												
☾ New Moon.	13	7	44 ev	8	16 ev	h	m	h	m	h	m	h	m	h	m	h	m
☽ First Quar.	22	2	34 mo	3	6 mo	12	10	6	50	10	17	13	10	13	10	12	10
☾ Full Moon.	29	1	5 mo	1	37 mo	2	14	9	56	2	10	8	52	10	18	14	10
☽ Apogee ...	17	2	50 mo	3	22 mo	20	28	9	44	2	20	9	54	2	12	10	12
☽ Perigee ...	29	7	44 ev	8	16 ev	30	24	9	26	2	41	9	31	2	33	9	39

Ephemeris of the Planets, &c.

Day Mo.	Venus South Eren.	Mars South Morn.	Jupiter South Morn.	Saturn South Morn.	Sun's Longitude.	Sun's Right Ascen.	Venus Right Ascen.	Mars Right Ascen.	Jupiter Right Ascen.	Saturn Right Ascen.	Venus Decl. North.	Mars Decl. North.	Jupiter Decl. North.	Saturn Decl. North.
	h m	h m	h m	h m	° /	h m	h m	h m	h m	h m	° /	° /	° /	° /
1 ...	3 8	10 37	3 44	10 49	99 14	6 40	9 46	5 14	22 19	5 26	15 7	23 23	11 35	22 1
7 ...	3 8	10 31	3 19	10 29	104 57	7 5	10 10	5 31	22 18	5 29	12 37	23 43	11 42	22 4
13 ...	3 8	10 27	2 55	10 8	110 41	7 29	10 33	5 49	22 17	5 32	9 59	23 55	11 51	22 6
19 ...	3 6	10 19	2 29	9 48	116 24	7 54	10 54	6 7	22 15	5 35	7 15	23 59	12 2	22 9
25 ...	3 3	10 11	2 4	9 27	122 8	8 18	11 15	6 25	22 13	5 38	4 30	23 57	12 15	22 10
31 ...	2 58	10 7	1 38	9 6	127 52	8 41	11 34	6 42	22 11	5 41	1 44	23 47	12 30	22 12

Day of Month.	Day of Week.	Day of Year.	Calendar for Upper Canada and Nova Scotia.				Calendar for Lower Canada and New Brunswick.				DEPARTMENT FOR ALL OF UPPER AND LOWER CANADA.							
			Sun Rises.	Sun Sets.	Moon Rises.	Moon Sets.	Sun Rises.	Sun Sets.	Moon Rises.	Moon Sets.	Pole Star in Meridian Morning.	Shadow at Noon Mark. Evening.	Mn's Age Noon.	Moon South. Morn.	Moon's Place. 7 P. M.	Sun's Declination North.		
			h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	days	h m	s	° /	° /	° /
1	Sund.	182	4 19	7 48	9 50	4 19	7 47	9 58	6 30	20 12	3 26	17.1	1 25	♊	8	23	8 15	
2	Mon.	183	4 20	7 48	10 24	4 20	7 47	10 31	6 26	25 12	3 37	18.1	2 27	do.	23	23	4 5	
3	Tues.	184	4 20	7 47	10 53	4 21	7 47	10 57	6 22	30 12	3 48	19.1	3 25	♋	7	22	59 30	
4	Wed.	185	4 21	7 47	11 15	4 21	7 47	11 17	6 18	35 12	3 59	20.1	4 18	do.	22	22	54 32	
5	Thur.	186	4 22	7 47	11 37	4 22	7 46	11 37	6 14	40 12	4 10	21.1	5 7	♌	6	22	49 9	
6	Friday	187	4 22	7 46	11 59	4 23	7 46	11 57	6 10	45 12	4 20	22.1	6 54	do.	20	22	43 23	
7	Satur.	188	4 23	7 46	Morn	4 24	7 46	Morn	6 6	50 12	4 30	23.1	8 1	♍	3	22	37 13	
8	Sund.	189	4 24	7 46	21	4 25	7 46	17	6 2	55 12	4 40	24.1	9 28	do.	16	22	30 40	
9	Mon.	190	4 25	7 45	46	4 25	7 45	39	5 59	0 12	4 49	25.1	10 52	do.	29	22	23 43	
10	Tues.	191	4 25	7 45	1 18	4 25	7 45	1 9	5 55	5 12	4 58	26.1	9 7	♎	12	22	16 23	
11	Wed.	192	4 26	7 44	1 53	4 26	7 44	1 43	5 51	10 12	5 7	27.1	9 59	do.	25	22	8 39	
12	Thur.	193	4 27	7 44	2 40	4 26	7 44	2 29	5 47	15 12	5 15	28.1	10 52	♏	7	22	0 33	
13	Friday	194	4 28	7 43	Sets	4 27	7 43	Sets	5 43	20 12	5 22	29.1	11 45	do.	19	21	52 4	
14	Satur.	195	4 29	7 42	8 34	4 28	7 42	8 44	5 39	25 12	5 29	30.1	12 37	♐	1	21	43 13	
15	Sund.	196	4 30	7 41	9 7	4 29	7 42	9 15	5 35	30 12	5 36	1.5	1 25	do.	13	21	33 59	
16	Mon.	197	4 30	7 41	9 32	4 30	7 42	9 38	5 31	34 12	5 42	2.5	2 11	do.	25	21	24 23	
17	Tues.	198	4 31	7 40	9 55	4 31	7 41	9 59	5 27	39 12	5 48	3.5	2 54	♑	7	21	14 26	
18	Wed.	199	4 32	7 39	10 13	4 32	7 40	10 15	5 23	44 12	5 53	4.5	3 34	do.	19	21	4 6	
19	Thur.	200	4 33	7 39	10 31	4 33	7 39	10 32	5 19	49 12	5 57	5.5	4 14	♒	1	20	53 25	
20	Friday	201	4 34	7 38	10 50	4 34	7 38	10 48	5 15	54 12	6 1	6.5	4 54	do.	13	20	42 24	
21	Satur.	202	4 35	7 37	11 8	4 35	7 37	11 5	5 11	59 12	6 5	7.5	5 35	do.	25	20	31 1	
22	Sund.	203	4 36	7 36	11 29	4 36	7 36	11 24	5 8	4 12	6 8	8.5	6 18	♓	7	20	19 18	
23	Mon.	204	4 37	7 35	11 55	4 37	7 35	11 48	5 4	9 12	6 10	9.5	7 6	do.	20	20	7 14	
24	Tues.	205	4 38	7 34	Morn	4 38	7 32	Morn	5 0	14 12	6 11	10.5	7 58	♊	4	19	54 50	
25	Wed.	206	4 39	7 33	29	4 39	7 32	20	4 56	19 12	6 12	11.5	8 56	do.	17	19	42 6	
26	Thur.	207	4 40	7 32	1 14	4 40	7 32	1 4	4 52	23 12	6 13	12.5	9 59	♋	2	19	29 3	
27	Friday	208	4 41	7 31	2 13	4 41	7 31	2 2	4 48	28 12	6 13	13.5	11 4	do.	16	19	15 41	
28	Satur.	209	4 43	7 30	Rises	4 42	7 30	Rises	4 44	33 12	6 12	14.5	Morn	♌	2	19	1 59	
29	Sund.	210	4 44	7 28	8 20	4 43	7 29	8 28	4 40	38 12	6 10	15.5	0 9	do.	17	18	47 58	
30	Mon.	211	4 45	7 27	8 51	4 44	7 28	8 58	4 36	43 12	6 8	16.5	1 10	♍	2	18	33 39	
31	Tues.	212	4 46	7 26	9 18	4 46	7 26	9 20	4 32	48 12	6 6	17.5	2 7	do.	17	18	19 2	

PROB. 19.—The weight of a door 4 feet wide is 30 lbs. Required the pressure on its hinges, which are 6 feet apart.

PROB. 20.—Required two different isosceles triangles, whose areas and perimeters are equal.

PROB. 21.—Required to find three numbers the sum of whose 4th powers is a square.

PROB. 22.—A cannon ball weighs 6 lbs, in one scale of a false balance, and in the other 24 lbs. Required its true weight.

much of the  
in a man see if  
bove the earth,  
miles?

☾ This month was named by the Romans August, in compliment to the Emperor Augustus. It is the eighth month in the year. Its Zodiacal sign is LEO, the Lion.

Mean Results of Meteorological Observations at Hamilton, by Dr. CRAIGIE.  
1853.

MONTH.	THERMOMETER.			Highest.	Lowest.	BAROMETER.			Rainy days.	Slight Showers.	Dry Days.
	Mean at Nine A. M.	Mean at Nine P. M.	Mean of both.			Mean.	Highest.	Lowest.			
January .....	28.46	29.22	28.84	50	3	29.7525	30.28	28.97	1	5	52
February ...	28.14	28.82	28.48	50	10	636	00	29.15	5	5	18
March .....	35.355	36.71	36.03	66	7	615	18	28.95	4	7	20
April .....	45.9	45.9	45.9	83	29	6725	00	29.07	4	5	21
May .....	56.5	54.9	55.7	82	33	6775	15	32	4	10	17
June .....	70.06	68.66	69.36	98	50	737.	05	50	2	5	23
July .....	71.322	70.968	71.145	97	52	749	29.95	50	1	4	26
August .....	72.8	72.9	72.85	101	51	679	90	40	2	6	23
September ..	63.9	63.96	63.93	96	37	723	30.00	20	3	5	22
October .....	47.26	48.26	47.76	75	30	718	08	10	0	6	25
November ...	42.9	44.22	43.56	65	20	834	25	30	4	4	22
December ...	30.355	29.903	30.129	53	2	637	04	00	4	8	19
Mean .....	49.413	49.535	49.474			29.7025			34	70	261

Day of Month.	Day of Week.	Remarkable Days.	ASTRONOMICAL NOTES.	Polar Distance of Pole Star.	Eclipses of Jupiter's Satellites.
1	Wed.	Lammas.	Mercury gr. elong. W.	0 / //	
2	Thur.	Battle of the Nile 1798.	Jupiter south 1.29 Mo.	1 27 58	II. Disapp. 1 3 21 Mo.
3	Friday	Columbus' first voyage 1490.	Venus south 2.55 Eve.	1 27 58	I. Disapp. 2 3 58 Mo.
4	Satur.	Shelly born 1762.	Venus on equator.	1 27 57	I. Disapp. 3 10 27 Eve.
5	SUND.	Battle of Brownston, 1812.	Moon near Uranus.	1 27 57	III. Disapp. 8 0 21 Mo.
6	Mond.	Pr. Alfred Ernest Albert b. 1844.	Jupiter South 1 11 Mo.	1 27 57	I. Disapp. 11 0 22 Mo.
7	Tuesd.	Berzelius died 1848.	Moon near Saturn.	1 27 57	II. Disapp. 18 9 48 Eve.
8	Wed.	George Canning died 1827.	Moon farthest north.	1 27 56	I. Disapp. 19 8 45 Eve.
9	Thur.	Captain Marryatt died 1848.	Moon east of Mars.	1 27 56	II. Reapp. 26 3 13 Mo.
10	Friday	Battle of Montmorency 1759.	(9th, ♀ at equinox.)	1 27 56	I. Reapp. 27 0 50 Mo.
11	Satur.	Battle of Lake Champlain 1814.	Saturn in Taurus.	1 27 55	I. Reapp. 28 7 25 Eve.
12	SUND.	George IV. born 1762.	Mercury in perihelion.	1 27 55	
13	Mond.	Sir P. Maitland Lt.-Gov. 1818.	Uranus 90° W. of Sun.	1 27 55	Ex. 38.—The perpendicular
14	Tuesd.	The Argus captured 1814.	Mars in Gemini.	1 27 55	let fall from the corners of a
15	Wed.	Napoleon born 1769.	Jupiter in Aquarius.	1 27 55	triangle to the opposite side are
16	Thur.	(15) Sir Walter Scott born 1771.	Moon on equator.	1 27 54	35, 98, and 100; what are the
17	Friday	Gen. Hunter Lt.-Gov. 1799.	Jupiter south 0.23 Mo.	1 27 54	sides and area?
18	Satur.	Duchess of Kent born 1786.	Moon at Desc. node.	1 27 54	Ex. 39.—The area of a right-
19	SUND.	Count Rumford died 1814.	Venus in Vergo.	1 27 54	angled triangle, whose sides are
20	Mond.	Treaty of Washington 1842.	Jupiter in Capricorn.	1 27 53	in geometrical progression, is
21	Tuesd.	Adam Clarke died 1832.	Jupiter 180° E. from ☉	1 27 53	100; what are the lengths of
22	Wed.	Whiston died 1752.	Jupiter South 11.56 Ev.	1 27 53	the sides?
23	Thur.	New York ceded to Eng. 1667.	Sun enters Leo.	1 27 52	Ex. 40.—The lengths of three
24	Friday	Washington taken 1814.	(25th, Venus brightest.)	1 27 52	perpendiculars, drawn from a
25	Satur.	F. Gore Esq., Lieut.-Gov. 1806.	Venus in Aphelion.	1 27 52	point in a triangle (equilateral)
26	SUND.	Prince Albert born 1819.	☿ Stat. ♂ Sup. ♀ Sun.	1 27 52	to the sides, are 2, 3, and 5;
27	Mond.	Battle of Long Island 1776.	Moon in perigee.	1 27 51	required the sides and area.
28	Tuesd.	Grotius died 1645.	Venus West of Spica.	1 27 51	Ex. 41.—“The lengths of two
29	Wed.	Strike of Toronto Tailors 1853.	Moon on equator.	1 27 50	lines that bisect the acute an-
30	Thur.	Paley born 1743.	Jupiter South 11.21 Ev.	1 27 50	gles of a right-angled triangle
31	Friday	Bunyan died 1688.	Moon at Asc. node.	1 27 50	being 40 and 50 respectively, it

- Last.
- New
- First
- Full
- ☾ Apog
- ☾ Perig

- 1 ...
- 7 ...
- 13 ...
- 19 ...
- 25 ...
- 31 ...

- 1 Wed.
- 2 Thur.
- 3 Friday
- 4 Satur.
- 5 Sund.
- 6 Mond.
- 7 Tuesd
- 8 Wed.
- 9 Thur.
- 10 Friday
- 11 Satur.
- 12 Sund.
- 13 Mond.
- 14 Tuesd
- 15 Wed.
- 16 Thur.
- 17 Friday
- 18 Satur.
- 19 Sund.
- 20 Mond.
- 21 Tuesd
- 22 Wed.
- 23 Thur.
- 24 Friday
- 25 Satur.
- 26 Sund.
- 27 Mond.
- 28 Tuesd
- 29 Wed.
- 30 Thur.
- 31 Friday

PROB.  
shape of  
spring.  
side of the  
30 rods.

r Augustus.

IGIE.

Slight Showers.	Days.
1 5	52
5 5	18
4 7	20
4 5	21
4 10	17
2 5	23
1 4	26
2 6	23
3 5	22
0 6	25
4 4	22
4 8	19

MOON'S PHASES.	D.	Toronto.	Quebec.	Twilight or Daylight begins and ends at—															
				Days.	Toronto.			Halifax.			Montreal.			Fredrickton.			Quebec.		
					Beg. End			Beg. End			Beg. End			Beg. End			Beg. End		
					A. M.	P. M.		A. M.	P. M.		A. M.	P. M.		A. M.	P. M.		A. M.	P. M.	
		<i>h m</i>	<i>h m</i>																
● Last Quarter ...	4	4 5 ev	4 37 ev																
● New Moon .....	12	1 37 ev	2 9 ev	<i>h m</i>	<i>h m</i>	<i>h m</i>	<i>h m</i>	<i>h m</i>	<i>h m</i>	<i>h m</i>	<i>h m</i>	<i>h m</i>	<i>h m</i>	<i>h m</i>	<i>h m</i>	<i>h m</i>	<i>h m</i>	<i>h m</i>	<i>h m</i>
● First Quarter ...	20	3 18 ev	3 50 ev	12	49	23	2 43	9 29	2 36	9 36	2 32	9 39	2 29	9 43					
○ Full Moon .....	27	7 53 mo	8 25 mo	10	3 6	9 43	0 9	10 2	5 59	15 2	5 19	15 2	5 19	18 2	4 7	9 23			
☾ Apogee .....	13	11 50 mo	0 22 ev	20	3 22	8 43	3 18	8 48	3 14	8 52	3 11	8 55	3 7	8 59					
☾ Perigee .....	27	5 2 mo	5 34 mo	30	3 42	8 19	3 38	8 23	3 32	8 29	3 30	8 31	3 26	8 34					

Ephemeris of the Planets, &c.

Day Mo.	Venus South Even.	Mars South Morn.	Jupit'r South Morn.	Saturn South Morn.	Sun's Longitude.	Sun's Right Ascen.	Venus Right Ascen.	Mars Right Ascen.	Jupit'r Right Ascen.	Saturn Right Ascen.	Venus Decl. North.	Mars Decl. North.	Jupit'r Decl. South.	Saturn Decl. North.
	<i>h m</i>	<i>h m</i>	<i>h m</i>	<i>h m</i>	° ' "	<i>h m</i>	<i>h m</i>	<i>h m</i>	<i>h m</i>	<i>h m</i>	° ' "	° ' "	° ' "	° ' "
1 ...	2 57	10 6	1 33	9 3	128 49	8 45	11 37	6 45	22 11	5 42	1 16	23 44	12 32	22 12
7 ...	2 51	10 0	1 7	8 42	134 34	9 8	11 54	7 22	8 5	44	1 26	23 26	12 48	22 13
13 ...	2 43	9 53	0 41	8 21	140 20	9 31	12 10	7 19	22 5	47	4 23	1 13	5 22	14
19 ...	2 33	9 46	0 14	8 0	146 6	9 53	12 23	7 36	22 2	49	6 29	22 30	13 22	22 14
25 ...	2 20	9 39	Even.	7 38	151 53	10 16	12 34	7 52	21 59	5 51	8 42	21 53	13 41	22 15
31 ...	2 4	9 31	11 16	7 17	157 41	10 37	12 42	8 8	21 56	5 53	10 35	21 11	13 57	22 15

Day of Month	Day of Week	Day of Year	Calendar for Upper Canada and Nova Scotia.						Calendar for Lower Canada and New Brunswick.						DEPARTMENT FOR ALL OF UPPER AND LOWER CANADA.											
			Sun			Moon			Sun			Moon			Pole Star		Shadow at Noon Mark		Moon's Age, Noon.		Moon South Morn.		Moon's Place, 7 P. M.		Sun's Declination North.	
			Rises.	Sets.	Rises.	Rises.	Sets.	Rises.	Sets.	Rises.	Sets.	Sets.	in Meridian Morning.	Evening.	Evening.	Evening.	Evening.	Evening.	Evening.	Evening.	Evening.	Evening.	Evening.	Evening.	Evening.	Evening.
			h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m
1	Wed.	213	4 47	7 25	9 41	4 47	7 25	9 41	4 28	52	12 6	3 18	5	2 59	☾	218	4									
2	Thur.	214	4 48	7 24	10 3	4 48	7 24	10 1	4 24	57	12 5	59	19	5	3 49	do.	16	17	48	54						
3	Friday	215	4 49	7 22	10 25	4 50	7 22	10 20	4 21	2	12 5	55	20	5	4 37	do.	30	17	33	23						
4	Satur.	216	4 50	7 21	10 50	4 51	7 21	10 43	4 17	7	12 5	50	21	5	5 24	☾	13	17	17	36						
5	Sund.	217	4 51	7 20	11 19	4 52	7 20	11 11	4 13	12	12 5	44	22	5	6 13	do.	26	17	1	31						
6	Mond.	218	4 53	7 19	11 54	4 54	7 18	11 45	4 9	17	12 5	38	23	5	7 4	☾	9	16	45	16						
7	Tuesd.	219	4 54	7 17	Morn	4 54	7 16	Morn	4 5	22	12 5	32	24	5	7 56	do.	22	16	28	32						
8	Wed.	220	4 55	7 16	36	4 56	7 14	25	4 1	27	12 5	25	25	5	8 48	☾	6	16	11	39						
9	Thur.	221	4 56	7 14	1 27	4 57	7 13	1 16	3 57	32	12 5	17	26	5	9 41	do.	16	15	54	80						
10	Friday	222	4 57	7 13	2 25	4 57	7 11	2 14	3 53	36	12 5	8	27	5	10 33	do.	28	15	37	5						
11	Satur.	223	4 58	7 12	3 27	5 0	7 10	3 17	3 49	41	12 5	0	28	5	11 22	☾	10	15	19	25						
12	Sund.	224	4 59	7 10	Sets.	5 1	7 9	Sets.	3 45	46	12 4	50	29	5	Ev.	do.	22	15	1	30						
13	Mond.	225	5 1	7 9	8 0	5 2	7 8	8 5	3 41	50	12 4	40	1	9	2	☾	4	14	43	21						
14	Tuesd.	226	5 2	7 8	8 20	5 3	7 5	8 23	3 37	55	12 4	30	1	9	1 33	do.	16	14	24	57						
15	Wed.	227	5 3	7 5	8 37	5 4	7 4	8 38	3 34	0	12 4	18	2	9	2 13	do.	28	14	6	20						
16	Thur.	228	5 4	7 4	8 55	5 6	7 2	8 54	3 30	5	12 4	7	3	9	2 53	☾	9	13	47	30						
17	Friday	229	5 5	7 2	9 13	5 8	7 0	9 11	3 26	9	12 3	54	4	9	3 33	do.	22	13	28	26						
18	Satur.	230	5 6	1	9 32	5 9	59	9 28	3 22	14	12 3	42	5	9	4 15	☾	4	13	9	10						
19	Sund.	231	5 8	59	9 55	5	57	9 48	3 18	19	12 3	28	6	9	4 59	do.	16	12	49	41						
20	Mond.	232	5 9	57	10 24	5	56	10 15	3 14	24	12 3	14	7	9	5 48	do.	29	12	30	0						
21	Tuesd.	233	5 10	56	11 3	5	55	10 53	3 10	29	12 3	0	8	8	6 42	☾	12	12	10	7						
22	Wed.	234	5 11	54	11 54	5	53	11 43	3 6	33	12 2	45	9	7	7 41	do.	26	11	50	3						
23	Thur.	235	5 12	53	Morn	5	51	11 48	3 2	38	12 2	30	10	8	8 44	☾	10	11	29	47						
24	Friday	236	5 13	51	59	5	48	48	2 58	43	12 2	14	11	9	9 48	do.	25	11	9	21						
25	Satur.	237	5 14	49	2 15	5	47	2 6	2 54	47	12 1	58	12	9	10 51	☾	10	10	48	44						
26	Sund.	238	5 16	48	Rises	5	46	46	2 50	52	12 1	42	13	9	11 49	do.	25	10	27	57						
27	Mond.	239	5 17	46	7 16	5	43	7 19	2 46	57	12 1	25	14	9	Morn	☾	10	10	7	1						
28	Tuesd.	230	5 18	44	7 41	5	40	42	2 43	1	12 1	7	15	9	44	do.	26	9	45	54						
29	Wed.	241	5 19	42	8 3	5	35	21	2 39	6	12 0	50	16	9	1 37	☾	11	9	24	38						
30	Thur.	242	5 20	40	8 25	5	32	28	2 35	11	12 0	32	17	9	2 27	do.	25	9	3	13						
31	Friday	243	5 21	39	8 51	5	23	37	2 31	15	12 0	14	18	9	3 16	do.	9	8	41	40						

PROB. 23.—There is a certain field in the shape of an equilateral triangle, in which is a spring. The distances from the middle of each side of the field to the spring are 10, 20, and 30 rods. Required the sides and area of the field.

PROB. 24.—If a stone fall from a height of 300 feet, and two seconds afterwards another body is let fall from a height of 200 feet, in what time will the former overtake the latter?

ter's Satellites.

1 3 21 Mo.
2 3 58 Mo.
3 10 27 Eve.
4 0 21 Mo.
1 6 22 Mo.
2 17 Mo.
3 9 48 Eve.
4 8 45 Eve.
5 3 13 Mo.
6 0 6 Mo.
7 25 Eve.

be perpendicular the corners of a opposite side are 90°: what are the

area of a right- e, whose sides are e progression, is e the lengths of

e lengths of three e, drawn from a angle (equilateral) are 2, 3, and 5; sides and area.

the lengths of two ect the acute an- t-angled triangle 0 respectively, it find the three angle."

my This is the ninth month of the year, though anciently the seventh: hence its name, *Septem*, and *ember*, from the rainy season usually commencing at this period. Zodiacal sign *Virgo*, the Virgin.

## General Meteorological Register for 1853.

COMPILED FROM TABLES PUBLISHED BY PROVINCIAL OBSERVATORY, TORONTO, C. W.

THERMOMETER.								
MONTH.	Mean Temperature.	Difference from Average.	Thermic Anomaly.	Highest Temperature.	Lowest Temperature.	Monthly Range.	Mean Daily Range.	Greatest Daily Range.
January .....	28.98	-1.99	- 9.8	40.9	- 9.7	50.6	14.16	40.9
February .....	24.06	+0.66	-10.6	43.4	- 1.4	44.8	14.40	35.4
March .....	30.65	+0.42	- 9.5	56.3	- 0.1	56.4	14.82	26.0
April .....	41.92	+0.78	- 8.3	65.7	25.0	40.7	14.07	28.8
May .....	50.87	-0.31	- 7.2	78.4	32.2	46.2	14.19	24.4
June.....	65.49	+4.44	+ 0.9	89.5	39.2	50.3	19.77	32.8
July .....	65.60	-0.81	- 3.1	91.3	41.6	49.7	23.80	30.7
August.....	68.61	+2.45	+ 0.1	94.9	42.5	52.4	21.41	39.1
September .....	58.81	+0.79	- 2.7	85.5	33.9	51.6	18.42	32.2
October .....	44.40	-0.53	- 9.4	64.7	23.4	41.3	20.51	31.5
November .....	38.68	+2.17	- 4.5	55.6	12.8	42.8	13.01	27.6
December .....	25.32	-1.43	-10.7	46.4	- 8.4	54.8	14.14	24.7
Mean .....	44.78	+0.55	-6.2			48.47	16.89	

Day of Month.	Day of Week.	Remarkable Events.	ASTRONOMICAL NOTES.	Polar Distance of Pole Star.	Eclipses of Jupiter's Satellites.
1	Satur.	Queen visits Scotland 1842.	Moon Near Uranus	1 27 40	Sat. Toronto. D. H. M.
2	SUND.	London burnt 1666.	Venus South 1.58 eve.	1 27 49	I. Reapp. 3 2 51 me.
3	Mond.	Sir E. Coke died 1633.	Jupiter south 11.3 eve.	1 27 49	I. Reapp. 4 9 20 eve.
4	Tuesd.	River Hudson discovered 1609.	Moon east of Saturn.	1 27 49	II. Reapp. 5 7 6 eve.
5	Wed.	The Boxer captured 1814.	Moon farthest north.	1 27 48	III. Reapp. 5 7 57 eve.
6	Thur.	Lafayette born 1757.	Mars in $\sigma$ 's nebula.	1 27 48	II. Reapp. 10 11 16 eve.
7	Friday	H. Moore died 1833.	Moon west of Mars.	1 27 47	III. Reapp. 12 9 41 eve.
8	Satur.	Montreal sur. to Britain 1766.	Venus stationary.	1 27 47	I. Reapp. 12 11 58 eve.
9	SUND.	Fall of Table Rock 1853.	Moon in apogee.	1 27 47	I. Reapp. 19 1 11 mo.
10	Mond.	(11) Hon. A. Grant Presid. 1805.	Venus near Spica.	1 27 46	II. Reapp. 20 0 16 mo.
11	Tuesd.	Battle of Plattsburg 1814.	Mercury on equator.	1 27 46	I. Reapp. 20 7 40 eve.
12	Wed.	Battle at North Point 1814.	Moon near Venus.	1 27 46	IV. Disapp. 26 0 23 mo.
13	Thur.	Bat. Quebec, Wolfe killed 1759.	Saturn in Taurus.	1 27 45	I. Reapp. 27 9 35 eve.
14	Friday	Wellington died 1852.	Jupiter in Capricorn.	1 27 45	Ex. 42.—The lengths of two lines drawn from the acute angles to the middle of the opposite sides are $a$ and $b$ ; what are the sides of the right-angled triangle?
15	Satur.	Malta taken 1800.	Moon and $\gamma$ at Desc. n.	1 27 45	Ex. 43.—The ratio of two sides of a triangle is as 6 to 5, and the segments of the base, made by a perpendicular falling from the vertex, are 18 and 7; what are the sides?
16	SUND.	New York taken 1776	Jupiter south 10.6 ev.	1 27 44	Ex. 44.—The hypotenuse of a right-angled triangle is 29, and the side of inscribed square 10 10-41: required the legs.
17	Mond.	Sortie from Fort Erie 1814.	Venus near Mercury.	1 27 44	Ex. 45.—"Given $x^2 + y^2 = 285$ , and $y^2 - xy = 14$ , to find $x$ and $y$ ."
18	Tuesd.	(19) Quebec taken 1759.	Venus south 0.50 eve.	1 27 44	
19	Wed.	Lord Sydenham died 1841.	Moon farthest south.	1 27 43	
20	Thur.	Demerara taken 1803.	Saturn south 6.3 mo.	1 27 43	
21	Friday	Sir Walter Scott died 1832.	Venus in Virgo.	1 27 42	
22	Satur.	Dr. Boerhaave d. 1733.	(23d Saturn 90°W. of $\odot$ )	1 27 42	
23	SUND.	Battle of Assaye, 1803.	Sun enters Virgo $26^\circ 5'$	1 27 42	
24	Mond.	Cardan born 1501.	Moon in perigee.	1 27 41	
25	Tuesd.	Francis Gore, Lieut. Gov. 1815.	Moon on equator.	1 27 41	
26	Wed.	Philadelphia taken, 1777.	(25th, $\gamma$ in perihelion)	1 27 41	
27	Thur.	L. C. Prov. Exh. Montreal 1853.	Moon at Ascen. node.)	1 27 40	
28	Friday	Columbus' Second Voyage 1493.	Moon near Uranus.	1 27 40	
29	Satur.	Michaelmas.	Michaelmas Day.	1 27 40	
30	SUND.	Maj.-Gen. Sir I. Brock, Pres. 1811.	Venus in Virgo.	1 27 39	



MOON'S PHASES.	D.	Toronto.		Quebec.	Twilight or Daylight begins and ends at—											
					Toronto.		Halifax.		Montreal.		Fredric't'n		Quebec.			
					Beg. End		Beg. End		Beg. End		Beg. End		Beg. End		Beg. End	
		h m		h m	A. M. P. M.		A. M. P. M.		A. M. P. M.		A. M. P. M.		A. M. P. M.		A. M. P. M.	
☾ Last Quarter ...	3	3	8 mo	3 40 mo												
● New Moon .....	11	5	36 mo	6 8 mo	h	m	h	m	h	m	h	m	h	m	h	m
☽ First Quarter ...	19	1	45 mo	2 17 mo	13	41 8 19	3	38 8 21	3	35 8 24	3	38 8 26	3	30 8 29		
☾ Full Moon .....	25	4	9 ev	4 41 ev	10	3 55 7 58	7	52 8 13	5	50 8 33	4	48 8 53	4	46 8 8		
☾ Apogee .....	9	3	2 ev	3 34 ev	20	4 8 7 38	7	7 39 4	3	7 44 4	4	47 43 4	0	7 46		
☾ Perigee .....	24	2	32 ev	3 4 ev	30	4 21 7 19	4	20 7 20 4	1	18 7 21 4	1	18 7 22 4	1	17 7 23		

Ephemeris of the Planets, &c.

Day Mo.	Venus South.	Mars South.	Jupit'r South.	Saturn South.	Sun's Longi.	Sun's Right Ascen.	Venus Right Ascen.	Mars Right Ascen.	Jupit'r Right Ascen.	Saturn Right Ascen.	Venus Decl.	Mars Decl.	Jupit'r Decl.	Saturn Decl.
	h m	h m	h m	h m	° ' "	h m	h m	h m	h m	h m	° ' "	° ' "	° ' "	° ' "
1 ...	2 1	9 30	11 12	7 13	158 39	10 41	12 43	8 11	21 55	5 54	10 51	21 4	14 0	22 15
7 ...	1 40	9 22	10 46	6 51	164 29	11 3	12 46	8 27	21 52	5 55	12 13	20 15	14 15	22 15
13 ...	1 15	9 14	10 19	6 29	170 19	11 24	12 44	8 42	21 50	5 57	12 57	19 23	14 28	22 15
19 ...	0 45	9 6	9 54	6 7	176 11	11 46	12 37	8 58	21 48	5 58	12 56	18 26	14 39	22 14
25 ...	0 10	8 57	9 28	5 44	182 3	12 8	12 26	9 13	21 46	5 59	12 3	17 26	14 40	22 14
30 ...	Morn	8 50	9 7	5 25	186 58	12 26	12 16	9 25	21 44	6 0	10 42	16 33	14 55	22 14

Day of Month.	Day of Week.	Day of Year.	Calendar for Upper Canada and Nova Scotia.						Calendar for Lower Canada and New Brunswick.						DEPARTMENT FOR ALL OF UPPER AND LOWER CANADA.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
			Sun Rises.		Sun Sets.		Moon Rises.	Sun Rises.		Sun Sets.		Moon Rises.	Pole Star in Meridian Morning.	Shadow at Noon Mark Morning.	Mn's Age Noon.	Moon South. Morn.	Moon's Place at 7 P. M.	Sun's Declination South.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
			h	m	h	m		h	m	h	m								h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m

PROB. 25.—A horse being tied to the outside of a round wall enclosing a garden, is to be fed in just an acre of ground, and his rope is exactly equal to half the distance around the garden. Required the length of the rope and diameter of the garden.

PROB. 26.—A perfectly flexible rope, 100 feet long, is suspended at its extremities, to two fixed points in the same horizontal line, eighty feet apart. Required the greatest depth of the curve, or the distance the rope sags.

October, in the year of Romulus, was strictly what its name implies, the eighth month. With us it is the tenth; sign in the Zodiac, LIBRA, the Balance.

## General Meteorological Register for 1853.

COMPILED FROM TABLES PUBLISHED BY THE PROVINCIAL OBSERVATORY, TORONTO. C. W.

MONTH.	BAROMETER.				AIR.		Mean of Cloudiness.
	Mean Height.	Highest Barometer.	Lowest Barometer.	Monthly Range.	Mean Humidity.	Mean Elasticity.	
January .....	29.7121	30.315	28.653	1.662	.82	0.110	0.68
February .....	29.5824	29.937	29.074	0.863	.82	0.117	0.74
March .....	29.5533	30.168	28.892	1.276	.81	0.145	0.59
April .....	29.5689	29.974	28.985	0.989	.80	0.212	0.46
May .....	29.5979	30.074	29.213	0.861	.80	0.297	0.57
June .....	29.6175	29.982	29.265	0.717	.79	0.491	0.43
July .....	29.6552	29.916	29.274	0.682	.70	0.425	0.31
August .....	29.5907	29.850	29.300	0.550	.74	0.513	0.47
September .....	29.6421	29.999	28.946	1.053	.79	0.399	0.53
October .....	29.6485	30.066	28.985	1.081	.75	0.223	0.49
November .....	29.7921	30.270	29.159	1.111	.81	0.201	0.74
December .....	29.5984	29.984	28.952	1.032	.81	0.122	0.75
Mean .....	29.6299			0.986	.79	0.271	0.57

Day of Month	Day of Week.	Remarkable Events.	ASTRONOMICAL NOTES.	Polar Distance of Pole Star.	Eclipses of Jupiter's Satellite.
1 Mond.		Battle of Toulon. 1793.	Venus Inf. $\delta$ S. $\zeta$ $\delta$ $h$	1 27 39	Sat. Toronto. D. H. M.
2 Tuesd.		Major Andre hung 1780.	(1st, Moon farthest N.)	1 27 38	I. Reapp. 4 11 31 eve.
3 Wed.		Tillotson born 1720.	Venus in Virgo.	1 27 38	II. Reapp. 7 6 45 eve.
4 Thur.		Belgian Independence dec. 1830.	Saturn south 5.10 mo.	1 27 37	IV. Disapp. 12 6 38 eve.
5 Friday		U. C. Prov. Exh. Hamilton, 1853.	Saturn enters Gemini	1 27 37	I. Reapp. 12 11 8 eve.
6 Satur.		Battle of the Thames 1813.	Moon near Mars.	1 27 37	II. Reapp. 14 9 21 eve.
7 SUND.		Great Fire at Miramichi 1825.	Venus at equinox.	1 27 36	III. Reapp. 18 8 5 eve.
8 Mond.		Intel. of disc. N. W. passage 1853.	Jupiter 8.34 even.	1 27 36	I. Reapp. 20 9 51 eve.
9 Tuesd.		Battle of Savannah 1797.	Moon near Venus.	1 27 36	II. Reapp. 21 11 57 eve.
10 Wed.		(11) America discovered 1492.	Jupiter South 8.26 ev.	1 27 35	III. Disapp. 25 8 39 eve.
11 Thur.		Battle of Camperdown, 1797.	Mercury gr. elong East.	1 27 35	I. Reapp. 29 6 15 eve.
12 Friday		Penn born 1745.	Saturn stationary.	1 27 34	
13 Satur.		Gen. Brock killed, 1812.	Moon East of Mercury.	1 27 34	Ex. 46.—The diameter of a circle is required, the side of its inscribed pentagon being 10.
14 SUND.		(13) Found. Stone Brock's Mon. '53	Jupiter in Capricorn.	1 27 34	
15 Mond.		L. E. Landon died 1838.	Mars near Regulus.	1 27 33	Ex. 47.—The area of a circle inscribed in an isosceles triangle whose area is 17, is $8\frac{1}{2}$ ; what are the sides and angles?
16 Tuesd.		Dark day at Quebec 1785.	Moon farthest south.	1 27 33	
17 Wed.		Burgoyne's surrender 1777.	Saturn south 4.19 mo.	1 27 32	Ex. 48.—Required the sides of a right-angled triangle, the hypothenuse being 97, and the radius of the inscribed circle being 20.
18 Thur.		Battle of Leipsic 1813.	Venus south 10.5 mo.	1 27 32	
19 Friday		H. K. White died 1808.	Venus and Jupiter stat.	1 27 32	
20 Satur.		Sir H. Sheaffe, President, 1812.	Saturn in Taurus.	1 27 31	
21 SUND.		Nelson died 1805.	Venus in Leo.	1 27 31	
22 Mond.		Cape Nicholas taken 1793.	Moon in perigee.	1 27 30	
23 Tuesd.		Battle of Edgehill 1642.	Sun ent. Libra. $\delta$ stat.	1 27 30	
24 Wed.		Daniel Webster died 1852.	Moon eclipsed, visible.	1 27 30	
25 Thur.		Battle of Agincourt 1415.	Moon at Ascen. node.	1 27 29	Ex. 49.—The diameter of a circle is $4\frac{1}{3}$ : required the inscribed and circumscribed equilateral triangles.
26 Friday		Battle of Chatauguay 1813.	Moon east of Uranus.	1 27 29	
27 Satur.		Captain Cook born 1728.	Mars east of Regulus.	1 27 29	
28 SUND.		Alfred the great died 900.	Saturn south 3.35 Mo.	1 27 28	
29 Mond.		Battle of Fort Erie	Moon east of Saturn.	1 27 28	
30 Tuesd.		Dr. Cartwright died 1823.	Jupiter south 7.8 eve.	1 27 27	Ex. 50.—The sides of a triangle are 137, 111, and 124: what is the radius of the inscribed circle?
31 Wed.		Hallowe'en.	Venus at equinox.	1 27 27	

● Last  
● New  
● First  
○ Full  
D Apog  
D Perig

Day Mo.

1 ...

7 ...

13 ...

19 ...

25 ...

31 ...

Day of Month

Day of Week.

1 Mond.

2 Tuesd.

3 Wed.

4 Thur.

5 Friday

6 Satur.

7 SUND.

8 Mond.

9 Tuesd.

10 Wed.

11 Thur.

12 Friday

13 Satur.

14 SUND.

15 Mond.

16 Tuesd.

17 Wed.

18 Thur.

19 Friday

20 Satur.

21 SUND.

22 Mond.

23 Tuesd.

24 Wed.

25 Thur.

26 Friday

27 Satur.

28 SUND.

29 Mond.

30 Tuesd.

31 Wed.

PROB.  
wedding  
inch, and  
diameter  
PROB.

th month.

C. W.

Mean of  
Cloudiness.

er's Satellit.

D. H. M.  
4 11 31 eve.  
7 6 45 eve.  
2 6 38 eve.  
2 11 8 eve.  
3 7 56 eve.  
4 9 21 eve.  
8 8 5 eve.  
10 9 51 eve.  
11 57 eve.  
5 8 39 eve.  
9 6 15 eve.

diameter of a  
the side of its  
in being 10.

area of a circle  
poceles triangle  
ing 97, and what  
angles?

ired the sides  
triangle, the  
ing 97, and the  
scribed circle

diameter of a  
required the  
circumscribed  
les.

sides of a tri-  
11, and 124:  
diameter of the in-

MOON'S PHASES.	D.	Toronto.		Quebec.		Twilight or Daylight begins and ends at—									
		D.		D.		Toronto.		Halifax.		Montreal.		Fredriect'n		Quebec.	
		h	m	h	m	Beg.	End	Beg.	End	Beg.	End	Beg.	End	Beg.	End
☾ Last Quarter ...	2	5	49 ev	6	21 ev										
☾ New Moon .....	10	10	9 ev	10	41 ev										
☾ First Quarter ...	18	10	22 mo	10	54 mo	1	4 22 7	16	1 21 7	18	4 21 7	18	4 19 7	20	4 18 7
☾ Full Moon .....	25	2	11 mo	2	43 mo	10	4 34 7	0	4 33 7	1	4 32 7	2	4 31 7	2	4 31 7
☾ Apogee .....	6	11	32 mo	(7)	0 4 m	20	4 45 6	4	4 45 6	40	4 45 6	4	4 46 6	43	4 44 6
☾ Perigee .....	22	8	2 ev	8	34 ev	30	4 56 6	27	4 56 6	27	5 9 6	23	5 6 6	21	4 57 6

Ephemeris of the Planets, &c.

Day Mo.	Venus South. Morn.	Mars South. Morn.	Jupit'r South. Even.	Saturn South. Morn.	Sun's Longi- tude.	Sun's Right Ascen.	Venus Right Ascen.	Mars Right Ascen.	Jupit'r Right Ascen.	Saturn Right Ascen.	Venus Decl. South.	Mars Decl. North.	Jupit'r Decl. South.	Saturn Decl. North.
	h m	h m	h m	h m	° ' "	h m	h m	h m	h m	h m	° ' "	° ' "	° ' "	° ' "
1 ...	11 34	8 48	9 3	5 21	187 57	12 29	12 13	9 27	21 44	6 0	10 23	16 22	14 53	22 14
7 ...	10 59	8 39	8 38	4 58	193 52	12 51	12 2	9 42	21 43	6 0	8 14	15 16	15 1	122 14
13 ...	10 28	8 20	8 14	4 35	199 48	13 13	11 54	9 56	21 42	6 0	6 4	14 7	15 4	222 13
19 ...	10 1	8 19	7 50	4 11	205 46	13 36	11 51	10 9	21 42	6 1	4 15	12 56	15 4	222 13
25 ...	9 40	8 9	7 27	3 47	211 45	13 58	11 53	10 23	21 42	6 0	3 0	11 45	15 2	222 13
31 ...	9 24	7 59	7 4	3 23	217 44	14 21	12 1	10 36	21 43	5 59	2 23	10 32	14 57	222 13

Day of Month	Day of Week.	Day of Year.	Calendar for Upper Canada and Nova Scotia.						Calendar for Lower Canada and New Brunswick.						DEPARTMENT FOR ALL OF UPPER AND LOWER CANADA.														
			Sun Rises.		Sun Sets.		Moon Rises.		Sun Rises.		Sun Sets.		Moon Rises.		Pole Star in Meridian Morning.	Shadow at Noon Mark Morning.	Mn's Age Noon.	Moon South. Morn.	Moon's Place at 7 P. M.	Sun's Declination South.									
			h	m	h	m	h	m	h	m	h	m	h	m	h	m	s	h	m	°	'	''							
1	Mond.	274	5	58	5	41	9	22	6	45	36	9	10	0	29	34	11	49	44	20.2	4	35	8	27	3	9	4		
2	Tuesd.	275	5	59	5	40	10	6	6	5	35	9	54	0	25	38	11	49	23	21.2	5	30	Π	10	3	32	22		
3	Wed.	276	6	0	5	38	11	9	6	6	5	32	10	59	0	21	43	11	49	6	22.2	6	24	do.	22	3	55	37	
4	Thur.	277	6	1	5	36	Morn	6	7	5	31	Morn	0	17	47	11	48	48	23.2	7	15	25	4	4	18	51			
5	Friday	278	6	3	5	34	14	6	8	5	28	5	0	13	51	11	48	30	24.2	8	3	do.	16	4	42	1			
6	Satur.	279	6	4	5	32	1	17	9	5	27	1	9	0	9	55	11	48	12	25.2	8	48	do.	28	5	5	8		
7	Sund.	280	6	5	5	30	2	19	6	11	25	2	14	0	5	59	11	47	55	26.2	9	31	9	10	5	28	11		
8	Mond.	281	6	6	5	29	3	23	6	13	23	3	20	0	2	8	11	47	38	27.2	10	12	do.	21	5	51	10		
9	Tuesd.	282	6	7	5	27	4	24	6	14	20	4	23	Evening	11	47	22	28	2	10	52	11	6	3	14	5	10		
10	Wed.	283	6	9	5	25	Sets.	6	15	19	Sets	11	50	16	11	47	6	29	2	11	32	do.	16	6	36	55			
11	Thur.	284	6	10	5	23	5	44	6	16	18	5	41	11	46	20	11	46	50	6	Ev.	13	do.	28	6	59	39		
12	Friday	285	6	11	5	22	6	6	6	18	16	6	1	11	42	24	11	46	35	1.6	56	14	do.	7	22	18			
13	Satur.	286	6	12	5	20	6	25	6	19	15	6	17	11	38	28	11	46	21	2.6	1	42	do.	23	7	44	50		
14	Sund.	287	6	14	5	18	7	0	6	21	15	6	50	11	34	33	11	46	7	3.6	2	32	15	do.	6	8	7	17	
15	Mond.	288	6	15	5	17	7	41	6	23	9	7	30	11	30	37	11	45	53	4.6	3	26	do.	19	8	29	36		
16	Tuesd.	289	6	16	5	15	8	34	6	24	8	8	22	11	26	41	11	45	41	5.6	4	24	1	do.	2	8	51	48	
17	Wed.	290	6	18	5	13	9	39	6	25	6	9	27	11	22	45	11	45	28	6.6	5	23	do.	16	9	13	52		
18	Thur.	291	6	19	5	12	10	52	6	26	5	4	10	43	11	18	46	11	45	16	7.6	6	23	do.	30	9	35	48	
19	Friday	292	6	20	5	10	Morn	6	27	5	3	Morn	11	14	53	11	45	5	8.6	7	21	15	do.	14	9	57	36		
20	Satur.	293	6	21	5	8	12	6	28	5	2	4	11	10	57	11	44	55	9.6	8	16	do.	28	10	19	15			
21	Sund.	294	6	23	5	7	1	30	6	30	5	0	1	26	11	7	1	11	44	45	10.6	9	8	22	do.	13	10	40	45
22	Mond.	295	6	24	5	5	2	49	6	31	4	59	2	47	11	3	5	11	44	36	11.6	9	59	do.	28	11	2	5	
23	Tuesd.	296	6	25	5	3	4	8	6	32	4	56	4	7	10	59	9	11	44	27	12.6	10	49	do.	22	11	23	15	
24	Wed.	297	6	27	5	2	Rises	6	34	4	54	Rises	10	55	13	11	44	19	13.6	11	39	do.	17	11	44	14			
25	Thur.	298	6	28	5	0	5	12	6	35	4	53	5	7	10	51	17	11	44	12	14.6	Morn	do.	11	12	5	3		
26	Friday	299	6	29	4	59	5	43	6	37	4	51	5	35	10	47	21	11	44	6	15.6	1	31	do.	25	12	25	41	
27	Satur.	300	6	31	4	57	6	18	6	39	4	49	6	9	40	43	25	11	44	0	16.6	1	25	8	do.	9	12	46	8
28	Sund.	301	6	32	4	56	7	2	6	41	4	47	6	51	10	39	29	11	43	55	17.6	2	21	do.	22	13	6	22	
29	Mond.	302	6	33	4	54	7	54	6	43	4	45	7	42	10	35	33	11	43	51	18.6	3	17	Π	5	13	26	24	
30	Tuesd.	303	6	35	4	53	8	55	6	44	4	44	8	43	10	31	37	11	43	48	19.6	4	13	do.	18	13	46	14	
31	Wed.	304	6	36	4	51	10	0	6	45	4	43	9	56	10	27	41	11	43	45	20.6	5	7	do.	30	14	5	51	

PROB. 27.—Required the solid contents of a wedding ring, whose thickness is 1-12th of an inch, and width 1-5th of an inch, and inside diameter 7-10ths of an inch.

PROB. 28.—With what velocity per second

must a cannon ball be projected horizontally, at the top of a mountain 5 miles high, in order to revolve entirely around the earth, and return to the same place from which it started, no resistance from the air being considered?



$\pi$  This month, whose Zodiacal sign is SCORPIO, the Scorpion, is, in common with some of the other months, indebted for its name to Romulus, with whom it was the ninth month—it is now the eleventh.

## General Meteorological Register for 1853.

COMPILED FROM TABLES PUBLISHED BY THE PROVINCIAL OBSERVATORY, TORONTO, C. W.

MONTH.	WIND.		RAIN.		Amount of Snow.	No. of Fair Days.
	Mean Direction.	Mean Velocity. (Miles.)	Amount. (Inches.)	Difference from Average.		
January .....	N. 27. W.	6.34	0.290	-1.535	7.5	24
February .....	N. 49. W.	7.29	1.030	+0.023	12.6	9
March .....	N. 62. W.	5.87	1.080	-0.481	7.1	17
April .....	N. 12. W.	5.20	2.625	+0.023	1.0	19
May .....	N. 20. W.	5.14	4.420	+1.534	Inapp.	13
June .....	N. 14. W.	3.67	1.550	-1.532		21
July .....	E. 14. S.	3.70	0.915	-2.762		21
August .....	E. 61. S.	4.23	2.575	-0.415		20
September .....	N. 5. E.	4.30	5.140	+0.839		18
October .....	W. 2. S.	4.72	0.875	-2.198	Inapp.	19
November .....	N. 1. E.	5.52	2.425	-0.628	2.7	9
December .....	N. 38. W.	4.98	0.625	-0.944	22.3	14
Mean .....	N. 38. W.	5.08	23.550	-8.076	53.2	204

Day of Month.	Day of Week.	Remarkable Events.	ASTRONOMICAL NOTES.	Polar Distance of Pole Star.	Eclipses of Jupiter's Satellites.
1	Thur.	<i>All Saints.</i>	Mars in Leo.	1 27 27	Sat. Toronto. D. H. M.
2	Friday	Rebellion in Canada, 1837.	Venus south 9.19 Mo.	1 27 26	I. Reapp. 5 8 12 eve.
3	Satur.	Acre stormed 1840.	Mer. Inf. & Sun. $\text{D} \delta \delta$	1 27 26	II. Reapp. 8 6 28 eve.
4	SUND.	(5) Sir J. Colborne Lt.-Gov. 1828.	Mercury in Ascen. node.	1 27 26	I. Reapp. 12 10 7 eve.
5	Mond.	Gunpowder Plot 1605.	Moon near Venus.	1 27 25	II. Reapp. 15 9 5 eve.
6	Tuesd.	Riots at Montreal 1837.	Venus brightest.	1 27 25	I. Reapp. 21 6 32 eve.
7	Wed.	Battle of Tippecanoe 1811.	Venus in Virgo.	1 27 25	I. Reapp. 28 8 28 eve.
8	Thur.	Battle of Warsaw 1794.	Moon at Disc. node.	1 27 24	III. Reapp. 30 8 16 eve.
9	Friday	Prince of Wales born, 1841.	Sun eclipsed. Invisible.	1 27 24	
10	Satur.	Luther born 1483.	Saturn south 2.41 Mo.	1 27 24	Ex. 51.—From the corners of
11	SUND.	Battle of Williamsburg 1813.	Uranus $180^\circ$ from Sun.	1 27 23	a triangle to the centre of the
12	Mond.	Montreal taken 1775.	Mercury stationary.	1 27 23	inscribed circle, are 6, 7, and 8:
13	Tuesd.	Sympathisers at Prescott 1838.	Moon farthest south.	1 27 22	what are the sides of the tri-
14	Wed.	Herschel born 1738.	Jupiter in Capricorn.	1 27 22	angle, and the radius of in-
15	Thur.	Great Fire in St. John 1841.	Saturn in Taurus.	1 27 22	scribed circle?
16	Friday	J. Ferguson died, 1776.	Jupiter $90^\circ$ east of Sun.	1 27 21	Ex. 52.—The hypothenuse of
17	Satur.	Battle of Rosbach 1382.	Jupiter South 6.2 eve.	1 27 21	a right-angled triangle is 29,
18	SUND.	Cortes sailed for Mexico 1578.	Mars south 7.26 mo.	1 27 21	and the difference between two
19	Mond.	Jay's Treaty 1794.	Mercury $19^\circ 33'$ W. Sun	1 27 20	lines drawn from the acute
20	Tuesd.	Wolsey died 1530.	Moon in equator.	1 27 20	angles to the centre of the
21	Wed.	Princess Royal born 1840.	Moon at Ascen. node.	1 27 20	inscribed circle is
22	Thur.	Battle of Breslaw 1757.	Sun enters Scorpio.	1 27 20	$(2\sqrt{2}-3) \times \sqrt{29}$ ;
23	Friday	Lieut. Weir murdered 1837.	Mars south 7.16 mo.	1 27 19	required the legs and the ra-
24	Satur.	Peace with United States, 1814.	Mars in Leo.	1 27 19	dius.
25	SUND.	British evacuated New York 1783	Moon farthest N. $\text{D} \delta \delta$	1 27 18	Ex. 53.—Given the base, 245,
26	Mond.	East India Co. incorporated 1700.	Venus north of Soica.	1 27 18	the perpendicular 120, and the
27	Tuesd.	Princess Mary born 1833.	Jupiter south 5.26 eve.	1 27 18	sum of the other two sides, 343,
28	Wed.	Battle of Bexar 1835.	Saturn South 1.26 Mo.	1 27 17	to find those sides.
29	Thur.	Revolt of Poland 1830.	Mars south 7.4 Mo.	1 27 17	Ex. 54.—Required the side of
30	Friday	St. Andrew's Day.		1 27 17	a square described in a semi

some of the  
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C. W.

No. of  
Fair Days.

24  
9  
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er's Satellites.

D. H. M.  
5 8 12 eve.  
8 6 28 eve.  
12 10 7 eve.  
15 9 5 eve.  
21 6 32 eve.  
28 8 28 eve.  
30 8 16 eve.

the corners of  
the centre of the  
are 6, 7, and 8:  
des of the tri-  
radius of in-

hypothenuse of  
triangle is 29,  
ce between two  
om the acute  
centre of the  
is  
X/29:  
ags and the ra-

n the base, 245,  
ar 120, and the  
r two sides, 348,  
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bed in a semi  
dus is 2 1/5.

MOON'S PHASES.	D.	Toronto.		Quebec.		Twilight or Daylight begins and ends at—											
		D.		D.		Toronto.		Halifax.		Montreal.		Fredric'n.		Quebec.			
		Beg.	End	Beg.	End	Beg.	End	Beg.	End	Beg.	End	Beg.	End	Beg.	End	Beg.	End
☾ Last Quarter ...	1	12	0 mo	0	32 ev												
☾ New Moon .....	9	2	15 ev	2	47 ev												
☾ First Quarter ...	16	5	58 ev	6	30 ev	1	5	0	6	2	5	0	6	2	5	1	6
☾ Full Moon .....	23	2	34 ev	3	6 ev	10	5	10	6	18	5	10	6	18	5	7	6
☾ Apogee .....	3	4	44 ev	5	16 ev	20	5	21	6	11	5	22	6	10	5	23	6
☾ Perigee .....	19	6	44 mo	7	16 mo	31	5	31	6	7	5	34	6	4	5	34	6

Ephemeris of the Planets, &c.

Day Mo.	Venus South Morn.	Mars South Morn.	Jupit'r South Even.	Satur'n South Morn.	Sun's Longi- tude.	Venus Right Ascen.	Mars Right Ascen.	Jupit'r Right Ascen.	Satur'n Right Ascen.	Venus Decl. South.	Mars Decl. North.	Jupit'r Decl. South.	Satur'n Decl. North.
	<i>h m</i>	<i>h m</i>	<i>h m</i>	<i>h m</i>	<i>° ' "</i>	<i>h m</i>	<i>h m</i>	<i>h m</i>	<i>h m</i>	<i>° ' "</i>	<i>° ' "</i>	<i>° ' "</i>	<i>° ' "</i>
1 ...	9 21	7 57	7 0	3 18	218 44	14 25	12 2	10 38	21 43	5 59	2 20	10 19	14 56
7 ...	9 9	7 46	6 38	2 54	224 46	14 49	12 14	10 51	21 44	5 58	2 2	9 6	14 49
13 ...	9 1	7 35	6 16	2 29	230 48	15 13	12 29	11 4	21 45	5 56	2 58	7 53	14 39
19 ...	8 54	7 23	5 54	2 4	236 51	15 38	12 46	11 16	21 48	5 55	3 57	6 40	14 27
25 ...	8 50	7 12	5 33	1 39	242 55	16 3	13 5	11 28	21 51	5 53	5 1	5 27	14 18
30 ...	8 48	7 1	5 16	1 17	247 59	16 25	13 23	11 38	21 53	5 52	6 31	4 28	14 0

Day of Month	Day of Week.	Day of Year.	Calendar for Upper Canada and Nova Scotia.						Calendar for Lower Canada and New Brunswick.						DEPARTMENT FOR ALL OF UPPER AND LOWER CANADA.													
			Sun Rises.		Sun Sets.		Moon Rises.		Sun Rises.		Sun Sets.		Moon Rises.		Pole Star in Meridian Evening.		Shadow at Noon Mark Evening.		Min's Age Noon.		Moon South Morn.		Moon's Place at 7 P. M.		Sun's Declination North.			
			<i>h</i>	<i>m</i>	<i>h</i>	<i>m</i>	<i>h</i>	<i>m</i>	<i>h</i>	<i>m</i>	<i>h</i>	<i>m</i>	<i>h</i>	<i>m</i>	<i>h</i>	<i>m</i>	<i>h</i>	<i>m</i>	<i>h</i>	<i>m</i>	<i>h</i>	<i>m</i>	<i>s</i>	<i>°</i>	<i>°</i>	<i>'</i>	<i>'</i>	
1	Thurs.	305	6	37	4	56	11	46	46	44	2	10	56	10	23	45	11	43	43	21.6	5	57	♂	12	14	25	14	
2	Friday	306	6	39	4	49	Morn	6	47	4	41	Morn	10	19	48	11	43	42	22.6	6	44	do.	24	14	44	24		
3	Satur.	307	6	40	4	47		8	6	48	4	40	1	10	15	52	11	43	42	23.6	7	27	♂	6	15	3	19	
4	Sund.	308	6	41	4	46	1	10	6	49	4	39	1	6	10	11	56	11	43	42	24.6	8	9	do.	18	15	22	0
5	Mond.	309	6	43	4	45	2	12	6	51	4	37	2	10	10	8	0	11	43	44	25.6	8	49	do.	30	15	40	25
6	Tuesd.	310	6	44	4	44	3	15	6	53	4	35	3	15	10	4	4	11	43	46	26.6	9	29	♂	12	15	58	35
7	Wed.	311	6	45	4	42	4	18	6	55	4	33	4	20	10	0	7	11	43	50	27.6	10	9	do.	24	16	16	29
8	Thurs.	312	6	47	4	41	5	28	6	56	4	32	5	31	9	56	11	11	43	53	28.6	10	52	♂	7	16	34	6
9	Friday	313	6	48	4	40	Sets	6	58	4	30	Sets	9	52	15	11	43	58	29.6	11	37	do.	19	16	51	27		
10	Satur.	314	6	49	4	39	5	16	59	4	29	4	53	9	48	19	11	44	4	0.9	Ev. 27	♂	2	17	8	31		
11	Sund.	315	6	51	4	39	5	40	7	0	28	5	30	9	44	23	11	44	16	1.9	1 26	do.	15	17	25	17		
12	Mond.	316	6	52	4	38	6	29	7	1	27	6	17	9	40	27	11	44	18	2.9	2 18	do.	19	17	41	45		
13	Tuesd.	317	6	53	4	37	7	31	7	2	26	7	20	9	36	30	11	44	26	3.9	3 18	♂	13	17	57	54		
14	Wed.	318	6	55	4	36	8	42	7	4	25	8	33	9	32	34	11	44	35	4.9	4 18	do.	26	18	13	45		
15	Thurs.	319	6	56	4	35	10	0	7	6	24	9	52	9	28	38	11	44	45	5.9	5 16	♂	10	18	29	16		
16	Friday	320	6	57	4	34	11	17	7	8	22	11	11	9	24	41	11	44	55	6.9	6 11	do.	25	18	44	28		
17	Satur.	321	6	59	4	33	Morn	7	9	4	21	Morn	9	20	45	11	45	7	7.9	7 2	♂	9	18	59	19			
18	Sund.	322	7	0	4	32		34	7	10	4	20	30	9	16	49	11	45	19	8.9	7 52	do.	23	19	13	50		
19	Mond.	323	7	1	4	31	1	50	7	13	19	19	1 49	9	12	52	11	45	33	9.9	8 40	♂	7	19	28	1		
20	Tuesd.	324	7	3	4	30	3	47	14	14	18	3	5	9	8	56	11	45	47	10.9	9 28	do.	21	19	41	50		
21	Wed.	325	7	4	4	29	4	20	15	15	17	4	23	9	4	59	11	46	1	11.9	10 18	♂	6	19	55	17		
22	Thurs.	326	7	5	4	29	5	35	17	16	16	5	41	9	1	3	11	46	17	12.9	11 10	do.	20	20	8	28		
23	Friday	327	7	6	4	27	Rises	7	18	16	16	Rises.	8	57	7	11	46	33	13.9	9	Morn	♂	3	20	21	6		
24	Satur.	328	7	8	4	26	4	51	17	19	15	4	41	8	53	11	11	46	51	14.9	5	do.	17	20	33	27		
25	Sund.	329	7	9	4	26	5	40	17	20	14	5	28	8	49	14	11	47	9	15.9	1 2	do.	30	20	45	25		
26	Mond.	330	7	10	4	25	6	39	17	22	14	6	28	8	45	18	11	47	27	16.9	1 59	♂	13	20	57	0		
27	Tuesd.	331	7	11	4	25	7	44	17	23	13	7	34	8	41	21	11	47	47	17.9	2 55	do.	26	20	8	12		
28	Wed.	332	7	13	4	24	8	49	17	24	12	8	41	8	37	25	11	48	7	18.9	3 48	♂	8	20	18	59		
29	Thurs.	333	7	14	4	24	9	54	17	26	12	9	47	8	33	28	11	48	28	19.9	4 36	do.	20	21	29	28		
30	Friday	334	7	15	4	23	10	57	17	27	11	10	52	8	29	32	11	48	49	20.9	5 22	♂	2	21	39	22		

PROB. 29.—What is the length of the longest straight pole that can be run up a chimney, without bending it, the height of the mantle being 4 feet, and the depth from the front to the back 2 feet?

PROB. 30.—If a rope 100 rods long be coiled

around a post 1 foot in diameter, how far will a horse travel if he be tied to the loose end, and unwinds it, keeping it straight continually?

PROB. 31.—Required the least number, which being divided by 2, 3, 4, 5, 6, will leave the remainders 1, 2, 3, 4, and 5.

↑ SAGITTARIUS, the Archer, is the Zodiacal sign of this, the Twelfth and last month of our year, and the tenth of the Romans.

**Mean Results of Meteorological Observations at St. Martin, Isle Jesus, C. E., for 1855.**

COMPILED FROM TABLES PUBLISHED BY DR. SMALLWOOD IN CANADIAN JOURNAL.

MONTH.	THERMOMETER.				BAROMETER.			
	Monthly Mean.	Highest Temperature.	Lowest Temperature.	Monthly Range.	Monthly Mean.	Highest Barometer.	Lowest Barometer.	Monthly Range.
January .....	16.68	42.0	-28.7	70.7	29.757	30.382	28.635	1.747
February .....	16.36	43.0	-18.0	61.0	29.654	30.089	28.938	1.151
March .....	29.68	57.0	- 6.0	63.0	29.584	30.202	28.902	1.300
April .....	41.36	80.0	21.0	59.0	29.654	29.965	28.735	1.230
May .....	56.34	87.9	30.0	57.9	29.644	30.103	29.302	0.801
June .....	68.66	99.2	39.0	60.2	29.648	30.070	29.277	0.793
July .....	68.04	96.4	46.5	39.9	29.479	29.795	29.115	0.680
August .....	68.61	96.2	43.3	42.9	29.598	29.913	29.264	0.649
September .....	58.04	94.0	27.3	66.7	29.325	29.652	28.911	0.741
October .....	43.37	69.5	23.0	46.5	29.500	29.853	29.113	0.740
November .....	31.00	61.0	00.0	61.0	29.637	30.147	28.930	1.217
December .....	16.56	41.0	-21.5	62.5	29.456	29.793	28.843	0.950
Mean .....	42.89			57.6	29.578			1.000

Day of Month.	Day of Week.	Remarkable Events.	ASTRONOMICAL NOTES.	Polar Distance of Pole Star.	Eclipses of Jupiter's Satellites.
1 Satur.		Battle of Austerlitz, 1805.	Moon on equator.	1 27 17	Sat. Toronto. D. H. M.
2 SUND.		First Sunday in Advent.		1 27 16	III. Disapp. 7 8 52 eve.
3 Mond.		Battle of Hohenlinden, 1805.	Moon east of Mars.	1 27 16	II. Reapp. 10 6 14 eve.
4 Tues.		Hugh Scobie died 1853.	Moon east of Venus.	1 27 16	I. Reapp. 14 6 48 eve.
5 Wed.		Marshal Ney shot 1815.	Moon at Disc. node.	1 27 16	IV. Disapp. 13 7 41 eve.
6 Thur.		Knox died 1821.	Jupiter in Capricorn.	1 27 15	
7 Friday		Rebels defeated at Toronto 1837.	Saturn in Taurus.	1 27 15	
8 Satur.		Conception.	Moon near Mercury.	1 27 15	
9 SUND.		Milton born 1608.	Saturn south 0.39 Mo.	1 27 15	
10 Mond.		Wilna taken by Russia 1812.	Moon farthest South.	1 27 14	Ex. 55.—The perpendicular of a right-angled triangle, falling from the right angle on the base, is 72, and the perimeter is 258: what are its sides?
11 Tuesd.		Charles 12th killed 1781.	Venus 46° 49' W. Sun.	1 27 14	
12 Wed.		Brunel died 1849.	Mercury at Disc. node.	1 27 14	
13 Thur.		Johnston died 1784.	Moon in perigee. $\text{D} \delta \text{U}$	1 27 14	
14 Friday		Washington died 1799.	Mars near equinox.	1 27 13	Ex. 56.—The lines drawn from the corners of a triangle to the middle of the opposite sides, are 9, 12, and 15; required the sides?
15 Satur.		St. Eustache destroyed 1837.	Venus in perihelion.	1 27 13	
16 SUND.		Whitfield born 1714.	Moon on equator.	1 27 13	
17 Mond.		Bolivar died 1830.	Venus east of Spica.	1 27 13	
18 Tuesd.		Sir H. Davy born, 1778.	Moon at Ascen. node.	1 27 13	
19 Wed.		Battle at Niagara 1813.	(18th $\text{h}$ bright. & $\text{g} \odot$ )	1 27 12	Ex. 57.—“The perpendicular of a triangle is 24, the line bisecting the base 40, and the line bisecting the verticle angle 25: required the three sides.
20 Thur.		Gray born 1716.	Mars south 6.20 Mo.	1 27 12	
21 Friday		Battle of Ferozepore 1845.	Jupiter in Aquarius.	1 27 12	
22 Satur.		Pilgrims land. at Plymouth 1620.	Sun enters $\text{f. D n. h}$	1 27 12	
23 SUND.		Newton born 1642.	Moon farthest north.	1 27 12	
24 Mond.		Treaty of Ghent 1814.	Mars in equator..	1 27 11	Ex. 58.—The sides of a trapezium are 6, 4, 5, and 3, which is inscribed in a circle whose radius is required?
25 Tuesd.		CHRISTMAS.		1 27 11	
26 Wed.		(25) Great Fire in Montreal 1853.	Venus in Libra's square.	1 27 11	
27 Thur.		Belgium indep. ach. 1830.	Mars in Virgo.	1 27 11	
28 Friday		Buffalo burnt 1813.	Mars 90° W. of Sun.	1 27 11	Ex. 59.—From the corners of an equilateral triangle to a point without, are 10, 20 and 30: required the sides.
29 Satur.		Temp. in Toronto 5° b. zero 1853	Moon in Apogee.	1 27 11	
30 SUND.		Black Rock burnt 1813.	Mercury farthest south.	1 27 11	
31 Mond.		Hang up stockings.	Mercury sup. $\delta$ Sun.	1 27 11	

th of our

for 1855.

Monthly  
Range

er's Satellite.

D. H. M.  
7 8 52 eve.  
10 6 14 eve.  
14 6 48 eve.  
18 7 41 eve.

perpendicular of  
triangle, falling  
angle on the  
perimeter is  
sides?

drawn from  
triangle to the  
posite sides, are  
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MOON'S PHASES.	D.	Toronto.		Quebec.		Twilight or Daylight begins and ends at—											
						Toronto.		Halifax.		Montreal.		Fredrickton.		Quebec.			
						Beg. End.		Beg. End.		Beg. End.		Beg. End.		Beg. End.		Beg. End.	
		h m		h m		A. M. P. M.	A. M. P. M.	A. M. P. M.	A. M. P. M.	A. M. P. M.	A. M. P. M.	A. M. P. M.	A. M. P. M.	A. M. P. M.	A. M. P. M.	A. M. P. M.	A. M. P. M.
● Last Quarter ...	1	8	54 mo	9	26 mo												
● New Moon .....	9	5	1 mo	5	33 mo	h m h m	h m h m	h m h m	h m h m	h m h m	h m h m	h m h m	h m h m	h m h m	h m h m	h m h m	h m h m
● First Quarter ...	16	1	40 mo	2	12 mo	15 32 6	7 5 29 6	10 5 34 6	5 5 35 6	4 5 36 6	3 5 36 6	2 5 36 6	1 5 36 6	0 5 36 6	0 5 36 6	0 5 36 6	0 5 36 6
● Full Moon .....	23	5	22 mo	5	54 mo	10 5 40 6	7 5 41 6	5 5 42 6	4 5 43 6	3 5 43 6	2 5 43 6	1 5 43 6	0 5 43 6	0 5 43 6	0 5 43 6	0 5 43 6	0 5 43 6
● Last Quarter ...	31	6	47 mo	7	19 mo	20 5 46 6	10 5 47 6	9 5 48 6	7 5 48 6	6 5 48 6	5 5 48 6	4 5 48 6	3 5 48 6	2 5 48 6	1 5 48 6	0 5 48 6	0 5 48 6
● Apogee .....	29	9	32 mo	10	4 mo	30 5 50 6	10 5 51 6	15 5 53 6	15 5 53 6	13 5 53 6	11 5 53 6	9 5 53 6	7 5 53 6	5 5 53 6	3 5 53 6	1 5 53 6	0 5 53 6

Ephemeris of the Planets, &c.

Day Mo.	Venus South Morn.	Mars South Morn.	Jupiter South Even.	Saturn South Morn.	Sun's Longitude.	Sun's Right Ascen.	Venus Right Ascen.	Mars Right Ascen.	Jupiter Right Ascen.	Saturn Right Ascen.	Venus Decl. South.	Mars Decl. North.	Jupiter Decl. North.	Saturn Decl. North.
	h m	h m	h m	h m	° ' "	h m	h m	h m	h m	h m	° ' "	° ' "	° ' "	° ' "
1 ...	8 47	7 1	5 13	1 13	249 16 25	13 26 11	40 21 54	5 51	6 35	4 16	13 57	22 12	13 57	22 12
7 ...	8 46	6 48	4 52	0 47	255 5 16	13 48 11	51 21 57	5 49	8 18	3 7	13 46	22 12	13 46	22 12
13 ...	8 45	6 36	4 32	0 22	261 12 17	14 12 12	2 22 0	5 47	10 7	2 0	13 26	22 12	13 26	22 12
19 ...	8 46	6 23	4 12	Even.	267 18 17	14 36 12	13 22 4	5 45	12 6	0 56	12 59	22 12	12 59	22 12
25 ...	8 48	6 9	3 53	11 26	273 25 18	15 2 12	23 22 8	5 43	14 7	8 5	12 36	22 11	12 36	22 11
31 ...	8 51	5 55	3 34	11 1	279 32 18	15 28 12	33 22 13	5 40	15 53	1 3	12 11	22 11	12 11	22 11

Day of Month.	Day of Week.	Day of Year.	Calendar for Upper Canada and Nova Scotia.			Calendar for Lower Canada and New Brunswick.			DEPARTMENT FOR ALL OF UPPER AND LOWER CANADA.									
			Sun Rises.	Sun Sets.	Moon Rises.	Sun Rises.	Sun Sets.	Moon Rises.	Pole Star in Meridian Evening.	Shadow at Noon Mark Morning.	Mn's Age Noon.	Moon South Morn.	Moon's Place at 7 P. M.	Sun's Declination South.				
			h m	h m	h m	h m	h m	h m	h m s	h m s	days	h m	s.	° ' "				
			h m	h m	h m	h m	h m	h m	h m s	h m s	days	h m	s.	° ' "				
1	Satur.	335	7 16	4 23	11 59	7 28	4 10	11 57	8 25	35 11	49 11	21.9	6 4	♄	14	21	48	56
2	Sund.	336	7 17	4 22	Morn	7 29	4 10	Morn	8 21	39 11	49 34	22.9	6 44	do.	20	21	58	5
3	Mon.	337	7 18	4 22	1 17	7 30	4 10	1 0	8 17	42 11	49 58	23.9	7 24	♊	8	22	6	49
4	Tuesd	338	7 19	4 22	2 37	7 31	4 10	2 3	8 13	46 11	50 22	24.9	8 4	do.	20	22	15	7
5	Wed.	339	7 20	4 22	3 7	7 32	4 10	3 10	8 9	49 11	50 47	25.9	8 45	♋	2	22	23	0
6	Thurs.	340	7 21	4 22	4 5	7 33	4 10	4 10	8 5	53 11	51 12	26.9	9 20	do.	15	22	30	26
7	Friday	341	7 22	4 22	5 23	7 34	4 10	5 31	8 1	56 11	51 38	27.9	10 17	do.	28	22	37	26
8	Satur.	342	7 23	4 22	Sets	7 35	4 10	Sets.	7 58	0 11	52 4	28.9	11 10	♌	11	22	43	59
9	Sund.	343	7 24	4 21	4 14	7 36	4 10	4 2	7 54	3 11	52 31	0.3	Ev. 1	do.	25	22	50	6
10	Mon.	344	7 25	4 21	5 20	7 37	4 10	5 3	7 50	7 11	52 58	1.3	1 8	♍	9	22	55	14
11	Tuesd.	345	7 26	4 21	6 26	7 38	4 10	6 15	7 46	10 11	53 26	2.3	2 10	do.	23	23	0	57
12	Wed.	346	7 27	4 22	7 47	7 38	4 10	7 39	7 42	13 11	53 54	3.3	3 10	♎	7	23	5	41
13	Thurs.	347	7 28	4 22	9 7	7 39	4 10	9 0	7 38	17 11	54 22	4.3	4 7	do.	21	23	9	58
14	Friday	348	7 28	4 22	10 15	7 40	4 10	10 11	7 34	20 11	54 51	5.3	5 0	♏	6	23	13	48
15	Satur.	349	7 29	4 22	11 40	7 40	4 10	11 38	7 30	23 11	55 20	6.3	5 50	do.	20	23	17	9
16	Sund.	350	7 30	4 22	Morn	7 41	4 10	Morn	7 26	27 11	55 48	7.3	6 37	♐	4	23	20	2
17	Mon.	351	7 30	4 23	0 54	7 42	4 10	54	7 27	30 11	56 18	8.3	7 24	do.	18	23	22	28
18	Tuesd.	352	7 31	4 23	2 6	7 43	4 11	2 8	7 18	33 11	56 48	9.3	8 12	♑	2	23	24	25
19	Wed.	353	7 32	4 23	3 20	7 43	4 11	3 25	7 14	37 11	57 18	10.3	9 2	do.	15	23	25	54
20	Thurs.	354	7 32	4 24	4 35	7 44	4 11	4 42	7 10	40 11	57 48	11.3	9 55	do.	29	23	26	54
21	Friday	355	7 33	4 24	5 48	7 45	4 11	5 57	7 6	44 11	58 17	12.3	10 50	♒	12	23	27	27
22	Satur.	356	7 33	4 25	Rises	7 46	4 12	Rises	7 2	47 11	58 47	13.3	11 46	do.	25	23	27	31
23	Sund.	357	7 33	4 25	4 25	7 46	4 13	4 13	6 58	50 11	59 17	14.3	Morn	♓	8	23	27	7
24	Mon.	358	7 34	4 26	5 27	7 46	4 14	5 17	6 54	54 11	59 47	15.3	43	do.	21	23	26	15
25	Tuesd.	359	7 34	4 27	6 33	7 46	4 14	6 24	6 50	57	Evening.	16.3	1 37	♈	3	23	24	54
26	Wed.	360	7 35	4 27	7 40	7 46	4 14	7 32	6 47	0 12	0 47	17.3	2 28	do.	16	23	23	6
27	Thurs.	361	7 35	4 28	8 44	7 46	4 16	8 39	6 43	3 12	1 17	18.3	3 15	do.	28	23	20	49
28	Friday	362	7 35	4 29	9 47	7 47	4 17	9 43	6 39	7 12	1 45	19.3	3 59	♉	10	23	18	4
29	Satur.	363	7 35	4 29	10 49	7 47	4 17	10 47	6 35	10 12	2 15	20.3	4 40	do.	22	23	14	51
30	Sund.	364	7 36	4 30	11 50	7 48	4 18	11 50	6 31	13 12	2 45	21.3	5 19	♊	3	23	11	10
31	Mon.	365	7 36	4 31	Morn	7 48	4 19	Morn	6 27	16 12	3 13	22.3	5 58	do.	15	23	7	1

PROB. 32.—The sum of two numbers is 15, and the sum of their fifth powers is 66825. Required those numbers.

PROB. 33.—With what velocity must a body be projected into a well 400 feet deep, that it may reach the bottom in two seconds?

PROB. 34.—Required the least number of weights, and the weight of each, that can weigh any number of pounds, from 1 to 100.

PROB. 35.—Required two whole numbers, whose sum shall be a cube, and whose product and quotient shall each be a square.

## Statistics of Canada.

We copy the following highly interesting paper from the *Canadian Journal* for June, 1854:—

In the year 1840, a paper was published in the British Colonist, headed "Lands and Population in the United States and Upper Canada." The author of that document now brings it again before the public in the Canadian Journal. He conceives that its republication *in extenso* will be interesting in the present history of this province, if accompanied by a statement and remarks applicable to the period, and showing how far the expectations entertained fourteen years since have been realised. Those assumed results in 1840 were considered by many people as visionary, and based upon imperfect data. The period selected for the application of the principle set forth in the paper referred to, is from the year 1840 to 1852, and consequently freed from the beneficial influences of the railroads and other great improvements now in progress, and which must necessarily operate in an extraordinary manner in promoting an increase to our population, wealth and importance.

It was desired to follow out the consequences of the increased population, as bearing upon the quantity of land placed under cultivation, and showing also its greatly enhanced value. And this would have been an extremely interesting subject, the reasoning under section III. being so very applicable to the actual position of Canada in reference to Great Britain; but there is at present no sufficient reliable data upon which to proceed with safety. It is not apart, however, from the subject therein treated upon, to exhibit the advantages the province has derived in a pecuniary point of view from the migratory emigration passing through this country.

It was only in the year 1831 that a systematic arrangement was made by the Canadian Government for receiving, arranging, and recording the number of emigrants which flocked to our shores, and it was not till after the devastation caused by cholera in 1832 and 1834 that the absolute necessity appeared of affording Government assistance (first by money and afterwards by superintendence) in the spreading of settlers, placing new comers amongst our population, and the rapidly pushing forward of those who made the passage by Quebec and our great Lakes their highway to the Western States. Since that time the most accurate registration of the numbers of emigrants has been kept, and the strenuous exertions of the Government have been directed to promote the rapid settlement or passage, as the case might be, of the newly arrived emigrants.

It was important, in every respect, to ensure a quick passage through our Lakes, rendering the route a favourite one to those bound for the far west, and who were thus benefitted to a great extent by their transit. Speedy dispersion and settlement in Canada was still more important, not only in a sanitary point of view, but as it placed those who could ill spare the time in looking for employment at once amongst their employers, and enabled them to send aid to the British Isles, to assist their friends requiring aid to follow them.

The benefits as to increase in population which Upper Canada has derived from emigration have been overrated, and the amount of transient emigration which has used our canals and lakes and river navigation has been very little understood—nor could it be, until by the results of the census, we could form even a speculative opinion as to the numbers which had passed through the province.

The entrance of the emigration through the water gate of Quebec gave us, to a fraction, the arrivals; but it required time and the official census to ascertain how many of those who arrived, remained as settlers, contributing to our prosperity, and how many merely benefitted us by the expenditure of their cost of passage through our waters. As we said before, it was easy to number the arrivals at Quebec, and to follow them through the St. Lawrence; but once on the Lake, information upon their future routes became almost inaccessible, for the outlets were too numerous to be watched, and the course of the emigration could only be guessed at.

Not to go too far back and tire our readers—it will be sufficient for our purpose if we start from the year 1840. The number of emigrants arrived since then are as follows, viz.:—

In the year 1840.....	21,100
" 1841.....	28,037
" 1842.....	44,374
" 1843.....	20,142
" 1844.....	25,375
" 1845.....	23,253
" 1846.....	22,736
" 1847.....	20,150
" 1848.....	27,030
" 1849.....	38,404
" 1850.....	32,292
" 1851.....	41,076

The population of Upper Canada was in 1840, 400,000. Now, if we yearly add to this amount the number of emigrants arrived in the Province, and deal with them in conformity with the principle of the afore-mentioned table, the result will show us whether the opinions hitherto entertained, namely, that nearly, if not quite all, who arrived remained, or that, if some did pass on, their numbers were made up by emigrants from the States, was well grounded or not.

The result we arrive at is 1,229,214—showing that the before-named opinion would be incorrect, as had those numbers remained in the province, the actual population should be 277,210 more than is given in the census.

We must therefore try again, and assume that one-half of the emigration settled in Canada, and the other half passed on, or died on their passage, and make the calculation accordingly.

The result, according to the principle of calculation laid down in 1840, shows that the population of Upper Canada should have been in the year 1852, 962,238, whereas the official census shows it to be 952,004.

Thus it appears that the anticipations entertained fourteen years since, fall short in amount to the extent of 10,234 only, thus establishing with extraordinary accuracy the correctness of the rule laid down in the year 1840, and more particularly so, if, as is believed, the census is imperfect, and that a precise return would have exhibited the number of our population to be considerably larger than is set down in that official statement.

The table also proves that one-half only of the emigrants who have arrived in Canada since 1840 to 1852, have made this province their permanent abode, a result which may astonish those who have not considered the subject under all the circumstances bearing upon it.

With respect to the one half of the emigrants who have passed on to the United States (excepting those who have perished from fever or cholera, being, it is hoped, only a small proportion of the number), the benefit of the cost of their passage through our waters is all they have left to us, but as this on the average has been £1 6s. 3d. per head, exclusive of provisions, from Quebec to Buffalo, it amounts to £308,072 15s. 0d., add thereto 15s. per head for provisions, &c., and we have a sum total expended in this province, during twelve years, by this transitory people, of £485,345 15s. 0d.

The emigration of 1852 was 39,176. In the last calculation, viz., of the advantages derived to the province by the passage of that portion of emigrants who have passed through, we make use of one-half that number as they have actually benefitted the province by the cost of their transport; but in the former calculation, the emigration of 1852 is not included.

Since this document has been framed, the official returns of immigration of the *past year* (1853) have been issued in England, which show the arrivals in Canada to have been 36,699 souls, of which 11,504 passed through to the United States; 200 of the Norwegians destined for Wisconsin accepted employment at Hamilton. It is also assumed in the returns that 5000 immigrants arrived in the United States for Canada; and a number of railway labourers had passed on to Canada, attracted by the abundant employment at high wages in the province, and the cessation of work in the Western States.

There is something (De Toqueville observes) extremely grand and solemn in watching "this great wave of population," which annually takes its rise in the heart of Europe, rolls across the Atlantic Ocean, and, after breaking upon the shores of North America, swells the current of another and mightier stream, which has flowed onward until it has partially peopled the almost boundless regions of the

"Far We are but for that write the "Dues were few were form nor do we remarks b

An easy Fraught For them From th In fresh So the w The will of British Her swar Bound to On every Or hold And per Change, This lun Earth's u Even to Beaten b Of harou With civi A gratefu

Lyndhurst,

LANDS AND

[Extract from 1798, by situation God "Far and Terri Section

It is well which now fained but a now the sam

But the ex to be equal persons still chibly indol countries, an cease to tak here set do aware of the great progr chiefly deriv lable to inte

The higher inhabitants the number moved every it would mak be remarked when emigr the many ve been very fa bar of emigr reckoned so l persons per a number of a settlement. 800,000 perso there were e of 3,093,412 h rated at all, can be little c thing more increased so twenty years twenty years stand thus:—

\* "Cor + "Do † See t



"Far West," and reached the coasts of the Pacific. There are but few passages in English poetry more beautiful than that written by Wordsworth about forty years since, when the "Bees" that left the "thronged hives of Britain," were few in number, and the "new communities" they were forming were comparatively unimportant and feeble, nor do we think we can do better than close these few remarks by quoting the lines referred to:—

"As the element of air affords

An easy passage to the industrious bees,  
Fraught with their burdens; and a way as smooth  
For those ordained to take their sounding flight  
From the thronged hive, and settle where they list—  
In fresh abodes their labour to renew;  
So the wide waters open to the power,  
The will, the interests, and appointed needs  
Of Britain, do invite her to cast off  
Her swarms; and, in succession, send them forth,  
Bound to establish new communities  
On every shore whose aspect favours hope,  
Or bold adventure; promising to skill  
And perseverance their deserved reward.  
Change, wide and deep, and silently performed,  
This land shall witness; and, as days roll on,  
Earth's universal frame shall feel the effect,  
Even to the smallest habitable rock  
Bitten by lonely billows, hear the songs  
Of harmonized society, and bloom,  
With civil arts that send their fragrance forth,  
A grateful tribute to all-ruling Heaven.

Book IX., Excursions.

Lyndhurst, Toronto, 1st June, 1854.

#### LANDS AND POPULATION IN THE UNITED STATES AND UPPER CANADA.

[Extract from a Tract written and published in the year 1798, by a gentleman who held an important official situation in the Government of the United States, entitled "Facts and Calculations respecting the Population and Territory of the United States of America;"]

##### Section I.—Of the Population of the United States.

It is well known that, about a century ago, the country which now composes the United States of America contained but a few thousand civilized inhabitants, and that now the same country contains four or five millions.

But the causes of this vast increase in numbers seem not to be equally well understood. It is believed that many persons still suppose the population of America to be chiefly indebted for its growth to emigration from other countries, and that it must become stationary when they cease to take place. Some facts and calculations will be here set down, to ascertain the ratio of the natural increase of the inhabitants of America, and to show that the great progress of wealth and population in that country is chiefly derived from internal causes, and of course less liable to interruption from without.

The highest estimate that is recollected of the number of inhabitants removing to America in any one year supposes the number to be 10,000.\* If the same number had removed every year since the first settlement of the country, it would make the whole amount to 1,000,000. But it is to be remarked, that this estimate was made for a period when emigrations were unusually numerous—that during the many years of war which have taken place they have been very few; and that in former years, when the number of emigrants was complained of as an evil, it was not reckoned so high.† We may, therefore, suppose that 5000 persons per annum is a liberal allowance for the average number of persons removing to America since its first settlement. This in the year 1790, would amount to 800,000 persons. At the end of 1790, and beginning of 1791, there were enumerated in the general census the number of 3,993,412 inhabitants;‡ As some places were not enumerated at all, and from others no return was made, there can be little doubt but the actual number then was something more than 4,000,000. Supposing them to have increased so as to have doubled their numbers once in twenty years, then in the several preceding periods of twenty years since the year 1630 the numbers would stand thus:—

At the end of 1790.....	4,000,000
" 1770.....	2,000,000
" 1750.....	1,000,000
" 1730.....	500,000
" 1710.....	250,000
" 1690.....	125,000
" 1670.....	62,500
" 1650.....	31,250
" 1630.....	15,625

But as this last date reaches back to the infancy of the first settlements in North America, it can hardly be supposed that they contained so many as fifteen thousand inhabitants. It follows, therefore, that they must have doubled their numbers oftener than once in twenty years; that is, that they must have increased faster than at the rate of 5 per cent., compounding the increase with the principal at the end of every twenty years.

To determine how far this rate of increase is justified by other facts, some pains have been taken to ascertain and compare the number of inhabitants at different periods, viz., 1750, 1774, 1790, and 1791.

Here follows the estimate and the results, showing that in the year 1750, the total of inhabitants in the thirteen colonies was 1,179,250—1790, the whole number in the thirteen States, 4,000,000 being about 34-10 times the number of 1750. If this increase be computed in the manner of simple interest, it affords a ratio of 5-98, or very nearly 6 per cent., or in the manner of compound interest, of between 3 and 3½ per cent. Any number increased in the compound ratio of 3 per cent. per annum, is doubled in about 23½ years, and at 3½ per cent. in about 20 years; that is, it is equal to 5 per cent. simple increase for the same period.

In 1782 a return was made to Congress of the inhabitants in the several States, by which there appeared to be 2,389,300. This return was then believed to be accurate, for it was made the rule for the assessment of public burthens among the States; but, in 1784, the accuracy of it was attacked by Lord Sheffield, who affirmed it was too great. If it was in fact, as much too great as he supposed, then the increase of numbers from that time to 1790 must have exceeded all credibility. But allowing it to have been accurate, the

Difference between the number, 1790.....	4,000,000
And the number, 1782.....	2,389,300

Is.....	1,610,700
From this deduct for emigrants, viz. 10,000	
Emigrants per annum for 9 years.....	90,000
Increase of ditto at 5 per cent 4½ years 20,250	
	110,250

Natural increase in 9 years.....	1,500,450
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which calculated upon the number of inhabitants returned in 1782, gives the astonishing natural increase of 6-07, or very nearly 7 per cent. per annum.

From these statements, compared with each other, it appears that in the year 1790 the actual increase of inhabitants in the United States, beyond the number ever imported,\* must have been, 3,200,000, or, after the most liberal allowances, at least, 3,000,000; that the whole rate of increase upon the numbers at any given period has been more than 5 per cent., and, deducting for emigrations, that it has been equal to about 5 per cent. for any twenty years successively, or 3½ per cent. compound increase for any period that has yet elapsed.

But it may be said, no inference as to the future population of America can be derived from these facts, because, as the country becomes more thickly settled, the increase will be slower. We have an opportunity of examining what weight the objection possesses.

The Eastern States are the most thickly inhabited. The greater part of the emigrations from them have been either to other States in New England, or to the State of New York.

In 1750, New England and New York together contained 444,000—in 1790, 1,348,942, having more than trebled their numbers in 40 years, and increased during all that period at the rate of more than 5 per cent. upon their original number, and in the compound ratio of nearly 3 per cent.; and as many more persons have emigrated from these

\* "Cooper's Information," &c.

† "Douglas's Summary," vol. II., p. 36.

‡ See the Census of 1791.

\* Various authorities are quoted from which these data are taken.



States than have come into them from abroad, all this, and something more, is their natural increase.

In 1750, Massachusetts contained 32 persons, and in 1790, about 60 persons to each square mile;

In 1750, Connecticut contained 20 persons, and in 1790, about 50 persons to each square mile;

In 1750, Rhode Island contained about 23 persons, and in 1790, about 52 persons to each square mile; so, that, besides the numerous emigrants these States have sent forth, they have more than doubled their numbers in 40 years, and nearly trebled them since they contained 20 persons to each square mile.

Mr. Jefferson took some pains to prove that the inhabitants of Virginia doubled their numbers once in  $27\frac{1}{4}$  years. He also proved, by an ingenious calculation, that in 1782, the numbers in Virginia were 567,614; in 1790, the same country (part of which made the State of Kentucky) contained 821,287, giving an increase of 496,100, or very nearly 5 per cent., and doubling their numbers, not in  $27\frac{1}{4}$  years, as Mr. Jefferson sought to prove, but in less than 24 years. Virginia (exclusive of Kentucky) added about 180,000 to its numbers between 1782 and 1790, the period when the numerous emigrations to Kentucky caused so great a drain upon its population.

In 1780, the number of militia west of Blue Ridge in Virginia was 11,440; which, multiplied by four, gives for the number of inhabitants 45,760. In 1790, the same county contained 151,235, those counties having more than trebled their numbers in ten years.

The writer then proceeds to say, it is to be observed that these facts (and many more of a similar tendency might be adduced) are drawn from the former and least prosperous state of America, and from periods which were either absolutely those of public calamity, or at best were not those of national prosperity; yet, it is apprehended they sufficiently prove that the inhabitants of the United States increase at least as fast as at the compound ratio of  $3\frac{1}{2}$  per cent.; that should foreigners cease to remove there, it would not prevent more than 1-15 or 1-20 of this increase, and that there are as yet no symptoms of this rate of increase being at all diminished by the crowded population of the country. The United States must contain 18,000,000 of people to equal the average of New England, and 55,000,000 to equal the rate of population in Massachusetts and Connecticut.

The causes of this great increase of population, so peculiar to America, might be readily and satisfactorily explained by a review of the state of manners, society, property, &c. in that country. This discussion is, however, unnecessary for the object entertained.

Here follow the calculations showing the increase of population since 1790 to 1797, at the ratio of  $3\frac{1}{2}$  per cent. per annum, compounding the increase with the principal every year. They result in exhibiting that the population of the United States in 1797 was 5,088,890.

#### Section 2.—On the Territory of the United States.

From the statements in Section I., it appears that the increase of the inhabitants of the United States is in the compound ratio of about  $3\frac{1}{2}$  per cent. and that at the end of 1797 their numbers were 5,088,890. The territory of the United States has been usually reckoned, after Mr. Hutchins, as equal to a tract of 1,000,000 square miles.

This computation, though probable too large, will be followed.

It gives in acres 640,000,000; from which deduct for water 51,000,000, and there remains of land 589,000,000. Of this quantity it is known that about 220,000,000 are contained in the territory north-west of the river Ohio, and is nearly all of it uninhabited. Of the 369,000,000 which remain, it is difficult to form any just estimate as to the proportion of the inhabited and appropriated parts of those which are not so. It is, however, thought reasonable to suppose that, in America, whenever any part of the country has acquired a population of about 20 persons to the square mile, or 150 to 200 acres to a family, that then the land must there have acquired nearly the average price of cultivated land, and the surplus population will incline to emigrate. Assuming this as a rule, the lands in the United States so occupied would, in 1796, be 157,337,664—remains, 211,662,336, a great part of which is inhabited in some degree. The remainder is owned by States and individuals, and much of it not for sale. Add for the North

West territory 220,000,000 Land of all kinds yet to be settled, 431,662,336.

The increase of the population of the United States, calculated upon the principles established in Section I., will, if applied to the settlement of new lands, at the rate of 20 persons to each square mile, or 32 acres each person will occupy the lands of the United States in the proportion, and at the periods following viz:—

Year.	Number of Inhabitants.	Acres of Land occupied by the increase.	Acres of Land remaining unoccupied.
1796	4,916,802	.....	157,337,664
One year's increase	1797	5,088,890	156,155,520
Ten ditto	1807	7,178,381	133,044,704
Ten ditto	1817	10,125,814	103,018,890
Ten ditto	1827	14,223,461	88,795,329
Seven ditto	About 1834	18,406,150	69,389,179

#### Section 3.—Of the Value of Lands.

It has usually been supposed that the great rise which has taken place in the value of American lands, has been produced by caprice or accident, and not derived from any fixed and certain sources of profit; but it is allowed that this rise in their value has been constant, and very great ever since the first settlement of the colonies, and during periods which were far from being those of public prosperity. Without taking advantage, however, of the present favourable state of public affairs, it will be attempted to show, from facts and calculations drawn from the former and least prosperous state of the country, that the great increase in the value of lands is derived from fixed and necessary causes existing in the country, and is, in a great measure, subject to strict calculation. The following calculation is founded upon these principles:—

- 1st. It is supposed to be proved in Section I., that the inhabitants of the United States increase in the compound ratio of  $3\frac{1}{2}$  per cent.
- 2nd. It appears from the same Section that, at the end of the year 1796, the number of inhabitants in the United States is about 4,916,802.
- 3rd. It appears from the statements in Section II., that the quantity of vacant lands in the United States is about 431,662,336 acres.
- 4th. Of consequence there are in the United States 1,139 persons to each 100,000 acres of new lands.
- 5th. It is supposed that new lands on an average are worth one dollar per acre; and that lands inhabited at the rate of twenty persons to the square mile, are worth thirteen dollars or three guineas per acre.

The following statement, therefore, shows the increasing value of any 100,000 acres (taken equal to the average) upon the principle that the increase of 1,139 persons may be applied to the settlement of it; and that as much land as they settle at the rate of twenty persons to the square mile is worth thirteen dollars or three guineas per acre.

It is not intended by the following statement to convey the idea, that the rise in the value of any particular tract of land will be in the exact proportion here mentioned. In many important instances in America it has been greater, in others, perhaps, less. But it is intended to show that the increase in the value of American lands is, in its nature, like that of compound interest; and that, assuming the very moderate ratio of  $3\frac{1}{2}$  per cent. for the increase of inhabitants, the general rise in the value of property resulting therefrom, is very far above the profit of capital in any of the ordinary ways of employing it. And it is to be remembered, that these statements being matters of arithmetical calculation, are not to be disproved except by disproving some of the premises on which they are founded.

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## YEAR.

	No. of Inhabitants.	Lands annually occupied by an increase of Inhabitants.	Value of 100,000 acres each year.	Value per Acre.	The same in Sterling.
		Acres.	Dollars.	Dls. Cts. £ s. p.	
End of . . . 1790	1,139	100,000	100,000	1.00	0 4 6
Increase, . . . . .	40	1,280	16,640		
End of . . . 1797	1,179	1,312	116,640	1.13	0 5 2½
Increase, . . . . .	41	17,056	17,056		
End of . . . 1798	1,220	1,344	133,696	1.33	0 5 11¼
Increase, . . . . .	42	17,472	17,472		
End of . . . 1799	1,262	1,408	151,168	1.51	0 6 9½
Increase, . . . . .	44	18,304	18,304		
End of . . . 1806	1,396	1,472	169,472	1.69	0 7 4½
Increase, . . . . .	46	19,136	19,136		
End of . . . 1801	1,352	1,504	188,608	1.88	0 8 5½
Increase, . . . . .	47	19,552	19,552		
End of . . . 1802	1,399	1,568	208,160	2.02	0 9 4½
Increase, . . . . .	49	20,384	20,384		
End of . . . 1803	1,448	1,631	228,544	2.28	0 10 2
Increase, . . . . .	51	21,216	21,216		
End of . . . 1804	1,499	1,664	249,760	2.49	0 11 2½
Increase, . . . . .	52	21,632	21,632		
End of . . . 1805	1,551	1,728	271,392	2.71	0 12 2½
Increase, . . . . .	54	22,464	22,464		
End of . . . 1806	1,605	1,792	293,856	2.93	0 13 2¼
Increase, . . . . .	56	23,296	23,296		
End of . . . 1807	1,661	317,152	317,152	3.17	9 11 3
" . . . 1808	1,719	341,280	341,280	3.41	0 15 4
" . . . 1809	1,770	366,240	366,240	3.66	0 16 5½
" . . . 1810	1,841	392,030	392,030	3.92	0 17 7½
" . . . 1815	2,186	535,550	535,550	5.35	1 4 0¼
" . . . 1820	2,596	706,110	706,110	7.06	1 11 9
" . . . 1825	3,083	908,702	908,702	9.08	2 0 8¼
" . . . 1830	3,691	1,152,894	1,152,894	11.52	2 12 10
" . . . 1834	4,255	1,400,000	1,400,000	13.00	3 3 0

It ought also to be remarked that this statement is burthened by the inclusion of all the lands in the United States, and, of course, of many millions which are not now for sale, and will not begin to be settled for many years. It is, therefore, much too moderate if considered with respect to the lands now in market.

The lowest price at which Congress sell the lands they offer for sale is two dollars per acre. The astonishing low prices of lands in America have hitherto been occasioned by the want of capital to invest in them. Only a few European capitalists have lately understood the subject; and nobody is ignorant of the immense advantages they have derived from it. The great increase of capital in America, together with the investments which Europeans are beginning to make in lands, will probably raise their value far above the rate at which it has increased at any former period.

Such a conclusion results not unnaturally from another consideration, which is this: The price of any commodity whatever may be raised in two ways; either by diminishing the quantity for sale, or by increasing the demand. But the extension of settlements and the increase of wealth and population operate at once in both these ways upon American lands; not only diminishing the quantity for sale, but increasing the means and the eligibility of making further purchases and settlements.

The Republic, as is well known, consisted of thirteen States in 1790, viz.: Massachusetts, Maryland, New Hampshire, Rhode Island, Connecticut, New York, New Jersey, Pennsylvania, Delaware, Virginia, North Carolina, South Carolina, and Georgia. The preceding statement has, of course, reference to these thirteen enumerated States only; subsequently the Republic has been extended to twenty-

four States by the addition to the Union of the following eleven States, viz.: Maine, Vermont, Ohio, Tennessee, Mississippi, Indiana, Illinois, Missouri, Alabama, Louisiana, and Kentucky. To these might be added the territories of Michigan, Arkansas, Florida, and the District of Columbia.

In considering the accompanying statement and calculations founded thereon, although they may not at first view appear to have realised in 1834 the anticipations of the author, who penned them forty years since, many events and the consequences arising out of them have occurred, which have most materially affected the contemplated result; it may tend to illustrate the actual position of the case by bringing forward those events which bear in favor, and also those which bear against the statement, in favor of the statement:

For some time, especially during the wars with England in 1812 to 1814, there was scarcely any immigration into the United States. On the contrary, there were considerable emigrations from thence to Canada, &c., nor would a state of war tend to promote any natural increase of the population.

The vast extension of the dominions of the Republic by the acquisition of Florida, the annexation of other States and Territories since 1790, would necessarily postpone the settlement of all the lands in the manner anticipated, and also generally keep down their prices most materially.\* But yet the average price of settled land is supposed to far exceed thirteen dollars, or three guineas per acre.†

Against the statement:

The population of the United States did not amount to 18,000,000 of inhabitants in 1834, being only 12,806,020 at the last census in 1830.‡

The number of immigrants into the United States has been very considerable during the last 20 years—especially during the last 10 years.

To draw these observations to a point, the object had in view in extracting and condensing the annexed statement (although sufficiently interesting in itself, if proved to be tolerably correct—due allowances being made for the unforeseen circumstances) was to endeavor to draw a parallel statement of the prospective position of Upper Canada, in a given number of years, founded upon accessible data.

The population of Upper Canada, in 1828, was 490,000 inhabitants.‡

Within the actual limits of Upper Canada, between the parallels 41°, and 47°, and 49° of north latitude, there are 141,000 square statute miles.¶

Assuming that only that portion of the territory embraced by, and on the south of French River, Lake Nepesing, and the Ottawa River, is available or suitable for agricultural purposes, and that the territory beyond those limits will only be settled when the population of the south shall become very dense, and making allowance for the superficies covered by water, it will not be underrating the quantity of land at present considered available, in estimating it at about one-third less than the whole territory.

\* In 1832, the public domain in the new States and Territories unsold, to which the Indian title had been extinguished, was estimated at . . . . . 227,293,884 acres. And the quantity in the same, to which the Indian title had not been extinguished, at . . . . . 119,577,869

346,871,753

The quantity of land beyond the limits of those States and Territories, has been estimated . . . . . 769,000,000

1,699,871,753

—*Pullin's Statistics of the United States, 1835.*

† The average value of lands per acre (including buildings), according to the valuations in 1814 and 1815, ranged for each State from four dollars, the value of lands in Kentucky, to 39 dollars, the value of land in Rhode Island. The average value in 1814 of lands throughout the United States was about ten dollars per acre.—*Pullin's Statistics.*

‡ According to the rate of increase upon the previous census in 1820, which gave an increase of 3,227,839 souls, the population might probably have been in 1834, 15,000,000 inhabitants.

§ The population of Upper Canada, according to the census for

1811 was	77,000	1827 was	176,050
1824 . . .	151,000	1828 . . .	185,526
1826 . . .	163,702	1830 . . .	215,000

¶ Vide Bouchette.

tory, but say, for the purpose of this statement, at 100,000 square statute miles.\*

Thus it appears there are now 160 acres to each inhabitant.

A recent intelligent Canadian writer† considers the territory suitable for settlement at 35,326,400 acres, after deducting 16,000,000 for water.

Thus it appears there are 88¼ acres to each inhabitant.

The annexed table will show that to settle the 100,000 square statute miles, or the 64,000,000 statute acres in the proportion of 2½ persons to a square mile, or 32 acres to each individual, will require 2,000,000 inhabitants‡.

It will take 47 years, unassisted by immigration, compounding the natural increase with the principal, at three-and-a-half per cent. per annum, to settle 100,000 statute miles.

40 years assisted annually by 5,000 immigrants.

35 ditto ditto 10,000 ditto.

32 ditto ditto 15,000 ditto.

29 years, assisted annually by 20,000 immigrants.

26 ditto ditto 25,000 ditto.

The table will also show the number of years it will take to settle in a like manner the 35,326,400 acres, and which will require 1,103,950 inhabitants.

It will take 39 years unassisted by immigration.

25 years assisted annually by 5,000 immigrants.

21 ditto ditto 10,000 ditto.

18 ditto ditto 15,000 ditto.

16 ditto ditto 20,000 ditto.

15 ditto ditto 25,000 ditto.

It is not considered necessary to extend this statement by entering upon the calculations as to the increased value given to lands, by being settled in the manner laid down, as there is no correct data within reach as to the average value of wild land, and that of land settled in the ratio established; but should these points be ascertained, the calculations would be very simple, although tedious from their number, were they pursued to each year mentioned in the table.

### TABLE

*Showing the Annual Increase of Inhabitants in Upper Canada to the year 1847, and subsequent periods mentioned, until they reach 2,000,000 souls, at three-and-a-half per cent. per annum, compounding the increase with the principal:*

Unassisted by Emigration.		Assisted annually by 5,000 Emigrants.		Assisted annually by 10,000 Emigrants.		Assisted annually by 15,000 Emigrants.		Assisted annually by 20,000 Emigrants.		Assisted annually by 25,000 Emigrants.	
Year.	Inhabit's.	Year.	Inhabit's.	Year.	Inhabit's.	Year.	Inhabit's.	Year.	Inhabit's.	Year.	Inhabit's.
1838, . . . .	400,000	1838, . . . .	400,000	1838, . . . .	400,000	1838, . . . .	400,000	1838, . . . .	400,000	1838, . . . .	400,000
	14,000		19,000		24,000		29,000		34,000		39,000
1839, . . . .	414,000	1839, . . . .	419,000	1839, . . . .	424,000	1839, . . . .	429,000	1839, . . . .	434,000	1839, . . . .	439,000
	14,400		19,005		24,840		30,015		35,190		40,365
1840, . . . .	428,499	1840, . . . .	438,665	1840, . . . .	448,840	1840, . . . .	459,015	1840, . . . .	469,190	1840, . . . .	479,365
	14,997		20,353		25,700		31,065		36,421		41,777
1841, . . . .	443,487	1841, . . . .	459,018	1841, . . . .	474,549	1841, . . . .	490,080	1841, . . . .	505,611	1841, . . . .	521,142
	15,522		21,065		26,609		32,152		37,696		43,239
1842, . . . .	459,000	1842, . . . .	480,083	1842, . . . .	501,158	1842, . . . .	522,232	1842, . . . .	543,307	1842, . . . .	564,381
	16,065		21,802		27,540		33,278		39,015		44,753
1843, . . . .	475,074	1843, . . . .	501,885	1843, . . . .	528,698	1843, . . . .	555,510	1843, . . . .	582,322	1843, . . . .	609,134
	16,027		22,565		28,504		34,442		40,381		46,319
1844, . . . .	491,701	1844, . . . .	524,450	1844, . . . .	557,202	1844, . . . .	589,952	1844, . . . .	622,703	1844, . . . .	655,453
	17,209		23,355		29,502		35,648		41,794		47,940
1845, . . . .	508,910	1845, . . . .	547,805	1845, . . . .	586,704	1845, . . . .	625,600	1845, . . . .	664,497	1845, . . . .	703,393
	17,811		24,173		30,534		36,590		43,257		49,618
1846, . . . .	526,721	1846, . . . .	571,978	1846, . . . .	617,238	1846, . . . .	662,496	1846, . . . .	707,754	1846, . . . .	753,011
	18,433		25,019		31,603		38,187		44,771		51,355
1847, . . . .	545,150	1847, . . . .	596,997	1847, . . . .	648,841	1847, . . . .	700,687	1847, . . . .	752,525	1847, . . . .	804,366
To 1850, } 10 years, }	742,987	To 1850, } 10 years, }	865,483	To 1850, } 10 years, }	987,984	To 1850, } 10 years, }	1,110,480	To 1850, } 10 years, }	1,232,980	To 1850, } 10 years, }	1,355,476
To 1865, } 10 years, }	1,012,609	To 1865, } 10 years, }	1,231,402	To 1865, } 10 years, }	1,450,200	To 1865, } 10 years, }	1,668,993	To 1865, } 10 years, }	1,887,789	To 1864, } 9 years, }	2,011,191
To 1874, } 10 years, }	1,380,078	To 1874, } 10 years, }	1,730,112	To 1873, } 9 years, }	2,000,150	To 1870, } 6 years, }	2,062,674	To 1867, } 3 years, }	2,062,940		
To 1883, } 10 years, }	1,880,901	To 1878, } 5 years, }	2,006,415								
To 1885, } 3 years, }	2,014,867										

If the number of inhabitants in any given year be multiplied by 32, it will show the number of acres settled; or, if it be divided by 20, it will give the number of statute miles settled.

The following table, given by Baron Ch. Dupin in his

\* The number of acres under agricultural improvement in 1828 did not exceed 570,000 acres.—(Vide Bouchette.)

† T. Neilson, "Prize Essay."

"Forces Productives et Commerciales de la France," showing the rate of increase in the population of the principal States of Europe, is highly curious, and may not be irrelevant to this statement.

‡ The population in 1838 being 400,000 inhabitants would thus settle 12,800,000 acres.

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521,142	
43,239	
564,381	
44,753	
609,134	
46,319	
655,453	
47,940	
703,393	
49,618	
753,011	
51,355	
804,366	

856, } 1,355,476  
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Annual increase upon each million of inhabitants, and period in which the population would double itself if the increase continued uniform:

Increase in 1,000,000 inhabitants.	Period of doubling.
Prussia, . . . 27,027	26 years.
Britain, . . . 16,667	42 "

Netherlands, 12,372	56 1/4 "
Two Sicilies, 11,111	63 "
Russia, . . . 10,527	66 "
Austria, . . . 10,114	69 "
France, . . . 6,536	105 "

## THE ROYAL FAMILY, &c.

HER MOST EXCELLENT MAJESTY (ALEXANDRINA-) VICTORIA. By the Grace of God, of the United Kingdom of Great Britain and Ireland Queen, Defender of the Faith. Her Majesty, the only child of His Royal Highness Edward Duke of Kent, fourth son of King George III., was born on the 24th of May, 1819; succeeded to the Crown on the demise of her uncle, his late Majesty William IV., on the 20th June, 1837, and married Feb. 10, 1840, Francis-Albert-Augustus-Charles-Emmanuel, Duke of Saxe, Prince of Coburg and Gotha, who was born August 26, 1819. Issue: *Victoria-Adelaide-Mary-Louisa, Princess Royal*, b. Nov. 21, 1840; *Albert-Edward, Prince of Wales*, b. Nov. 9, 1841; *Alice-Maud-Mary*, b. April 25, 1843; *Alfred-Ernest-Albert*, b. Aug. 6, 1844; *Helena-Augusta-Victoria*, b. May 25, 1846; *Louisa-Caroline-Alberta*, b. March 18, 1848; *Arthur-William-Patrick-Albert*, b. May 1, 1850; *Leopold-George-Duncan-Albert*, b. April 7, 1853.

*Aunt of the Queen.*—MARY, Duchess of Gloucester, b. April 25, 1776; married July 23, 1816, her cousin William-Frederick, Duke of Gloucester, who died Nov. 30, 1834.

*Cousins of the Queen.*—GEORGE, Duke of Cumberland (King of Hanover), b. May 27, 1819.

GEORGE-WILLIAM-FREDERICK-CHARLES, Duke of Cambridge, b. March 26, 1819, suc. 1850; AUGUSTA, b. July 19, 1822, m. June 28, 1843, Frederick, Hereditary Grand Duke of Mecklenburg-Strelitz, and has issue: MARY, b. November 27, 1833. Their father, Adolphus-Frederick, who died July 8, 1850, was b. Feb. 24, 1774; mar. May 7, 1818, Augusta, daughter of Frederick, Landgrave of Hesse-Cassel, b. July 23, 1797.

*Mother of the Queen.*—VICTORIA, Duchess of Kent, daughter of Francis, Duke of Saxe-Coburg, b. August 17, 1786; m. 1st, Dec. 21, 1803, Emich-Charles, Prince of Leiningen, who died July 4, 1814. Issue, Charles, Prince of Leiningen, b. September 12, 1804; Princess Feodora, b. Dec. 7, 1807. 2nd, May 29, 1818, Edward, Duke of Kent, who died Jan. 23, 1820. Issue, The Queen.

*Maternal Uncle of the Queen.*—LEOPOLD I., King of the Belgians.

### HER MAJESTY'S MINISTERS.

*First Lord of the Treasury (Prime Minister)*, Earl of Aberdeen.

*Chancellor of the Exchequer*, W. E. Gladstone.

*Lord Chancellor*, Lord Cranworth.

*Lord President of the Privy Council*, Earl Granville.

*Lord Privy Seal*, Duke of Argyll.

*Home Secretary*, \* \* \*

*Foreign Secretary*, Earl of Clarendon.

*Colonial Secretary*, Duke of Newcastle.

*First Lord of the Admiralty*, Sir James Graham.

*President of the Board of Control*, Sir C. Wood.

*Secretary at War*, Hon. Sidney Herbert.

*First Commissioner of Works, Palaces, & Public Buildings*,

Sir William Molesworth.

Marquess of Landsdowne.

Lord John Russell.

### THE ABOVE COMPOSE THE CABINET.

*Postmaster-General*, Viscount Canning.

*President of the Board of Trade*, Edward Cardwell.

*Vice-President and Paymaster-general*, Lord Stanley of Alderley.

*Chancellor of the Duchy of Lancaster*, Edward Strutt

*Commander-in-Chief*, Viscount Hardinge

*Master-general of the Ordnance*, Lord Raglan.

*Lord Chamberlain*, Marquess of Breadalbane.

*Lord Steward*, Duke of Norfolk.

*Master of the Horse*, Duke of Wellington.

*Master of the Buckhounds*, Earl of Bessborough.

*Comptroller of the Household*, Viscount Drumlanrig.

*Lord Lieutenant of Ireland*, Earl of St. Germans.

*Chief Secretary for Ireland*, Sir John Young.

*Attorney-general of England*, Sir A. J. E. Cockburn.

*Solicitor-general of England*, Sir Richard Bethell.

*Lord Advocate of Scotland*, James Moncrieff.

*Solicitor-general*, James Craufurd.

*Attorney-general of Ireland*, A. Brewster.

*Solicitor-general*, William Keogh.

## PROVINCE OF CANADA.

### SEAT OF GOVERNMENT—QUEBEC.

GOVERNOR GENERAL.—His Excellency Sir Edmund Walker Head, Bart., Governor General of British North America, and Captain General and Governor-in-Chief in and over the Provinces of Canada, Nova Scotia, New Brunswick, and the Island of Prince Edward, and Vice Admiral of the same. Private Secretary, — Oliphant, Esq.

### EXECUTIVE COUNCIL.

*President of the Council*—Hon. Sir Allan McNab.

*Attorney General East*—Hon. L. T. Drummond.

*Provincial Secretary*—Hon. P. J. O. Chauveau.

*Attorney General West*—Hon. John A. McDonald.

*Inspector General*—Hon. W. Cayley.

*Commissioner of Crown Lands*, Hon. A. N. Morin.

*Receiver General*, Hon. E. P. Tache.

*Chief Commissioner Public Works*, Hon. Jean Chabot.

*Postmaster General*, Hon. Robert Spence.

*Speaker Legislative Council*, Hon. John Ross.

*Chief Clerk of the Executive Council*, Wm. H. Lee.

PROVINCIAL SECRETARY'S OFFICE.—Hon. P. J. O. Cheveau,

Provincial Secretary; Edmund A. Meredith, Assistant

Secretary, West; Etienne Parent, Assistant Secretary

East; T. D. Harrington, Chief Clerk.

RECEIVER GENERAL'S OFFICE.—Hon. E. P. Tache, Receiver

General; C. E. Anderson, Confidential Clerk.

INSPECTOR GENERAL'S OFFICE.—Hon. William Cayley, Inspector General; Joseph Carey, Deputy Inspector General; Matthew Ryan, Confidential Clerk.

CUSTOMS BRANCH.—R. S. M. Bouchette, Commissioner of Customs; A. S. Menzies, 1st Clerk; T. Worthington, Inspector of Custom Houses.

CROWN LAW DEPARTMENT.—Hon. L. T. Drummond, Attorney General East; Hon. John A. McDonald, Attorney General West; Hon. Dunbar Ross, Solicitor General East; Henry Smith, Solicitor General West; George Futvoys, Permanent Law Clerk, East.

PUBLIC WORKS DEPARTMENT.—Hon. Jean Chabot, Chief Commissioner; Hon. H. H. Killaly, Assistant Commissioner; Thomas A. Begly, Secretary.

CROWN LANDS DEPARTMENT.—Hon. A. N. Morin, Commissioner.

SURVEY DEPARTMENT, C. E.—Joseph Bouchette, Surveyor and Draftsman; E. T. Fletcher, 2nd do.; P. L. Morin, 3rd do.; Charles J. Bouchette, Extra Draftsman; W. F. Collins, Accountant; Jean Langevin, Chief Corresponding Clerk; Thomas Hammond, Registrar.

JENUIT'S ESTATES AND ROYAL DOMAIN.—Felix Fortier, Clerk; F. T. Judah, Assistant Clerk.

SURVEY DEPARTMENT, C. W.—Andrew Russell, Surveyor and Draftsman; Thomas Devine, Assistant do.; William Sprague, Chief Clerk.

ACCOUNT BRANCH.—W. Ford, Accountant; Correspondence —J. C. Tarbutt, Clerk; D. G. McLellan, Extra Clerk.

BOARDS FOR THE EXAMINATION OF PROVINCIAL LAND SURVEYORS.—Lower Canada Board.—The Hon. The Commissioner of Crown Lands, *ex officio*; Joseph Bouchette and Andrew Russell, Senior Surveyors and Draftsmen, Crown Lands Department; — Adolphus Larue, Quebec; Charles Francois Fornier, St. Jean Port Joli;

William Ware Quebec; Joseph Hamel, Quebec, and John Ostell, Montreal, Provincial Land Surveyors; Secretary, E. T. Fletcher, Quebec. *Upper Canada Board*.—The Hon. The Commissioner of Crown Lands, *ex officio*; Joseph Bouchette and A. Russell, Senior, Surveyors and Draftsmen, Crown Lands Department; John Booth, Elizabethtown; Publius V. Elmore, Belleville; David Gibson, Township of York; W. Hawkins, Toronto; John Stoughton Dennis, Weston; and John Knatchbull Roche, Port Hope, Provincial Land Surveyors; Secretary, F. F. Passmore, Toronto.

*MILITIA DEPARTMENT*.—Lieut. Col. D. G. Macdonell, Deputy Adjutant General Militia, West; Lieut. Col. A. de Salaberry, Deputy Adjutant General Militia, East.

*PROVINCIAL REGISTRAR'S OFFICE*.—T. Amlot, D'y Prov. Reg. *INDIAN DEPARTMENT*.—Superintendent General of Indian Affairs, The Governor General's Secretary; Colonel Napier,

Visiting Superintendent, C. E.; S. Y. Chesley, Assistant Secretary and Accountant; Visiting Superintendent, C. W., J. B. Clench, London; T. G. Anderson, Colbourn; do. do., Manitoulin Islands, George Ironsides; Interpreter, East, Isaac Glasson; do West, Francis Assekinnack; Manitoulin Islands, Fred. A. O'Meara, LL.D., Missionary; James Rawson, School Master; — Jamieson, S. J., R. C. Schoolmaster, Wequamecong; Surgeon, D. S. Layton.

*GENERAL POST OFFICE*.—Hon. Robert Spence, Postmaster General; William H. Griffin, Secretary; E. J. King, Accountant; Edward S. Freer, Surveyor, C. E., Montreal; John Dewe, Surveyor, C. W., Toronto; H. A. Wicksteed, Surveyor, Central Canada, Kingston.

*GEOLOGICAL SURVEY*.—W. E. Logan, Provincial Geologist; Alexander Murray, Assistant do., T. S. Hunt, Chemist. (This Office is at Montreal.)

## LEGISLATIVE COUNCIL OF CANADA.

HON. JOHN ROSS, Belleville, Speaker.

### NAMES & RESIDENCES.

Hon. P. B. DeBlaquiere, Toronto.

- " Peter McGill, Montreal.
- " W. Morris, Montreal.
- " J. Crooks, Flamboro West.
- " A. Forquison, Flamboro East.
- " J. Macaulay, Kingston.
- " J. Hamilton, Kingston.
- " A. Ferrie, Montreal.
- " P. H. Knowlton, Brome.
- " T. McKay, New Edinburgh.
- " P. H. Moore, St. Armand.
- " J. Dionne, St. P's les Becquet.
- " G. J. Goodhue, London.
- " W. Walker, Quebec.
- " C. Widmer, Toronto.
- " J. E. Irving, Toronto.
- " J. Murray, Brockville.

### NAMES & RESIDENCES.

Hon. P. Boucher DeBoucherville, Boucherville.

- " H. Gordon, Toronto.
- " H. Pinhey, March.
- " J. Ferrier, Montreal.
- " R. Matheson, Perth.
- " G. S. Boulton, Colbourn.
- " D. B. Viger, Montreal.
- " E. P. Tache, Montreal.
- " James Leslie, Montreal.
- " Frederick A. Quesnel, Montreal.
- " J. Bourret, Montreal.
- " G. S. DeBeaujeau, Colcar du Lac.
- " J. Ross, Belleville.
- " L. Methot, St. Croix.
- " J. O. Turgeon, Terrebonne.
- " S. Crane, Prescott.

### NAMES & RESIDENCES.

Hon. S. Mills, Hamilton.

- " Louis Panet, Quebec.
- " Charles Wilson, Montreal.
- " Narcissus F. Bellue, Quebec.

*PERMANENT OFFICERS*.—J. F. Taylor, Clerk, and Master in Chancery; Robt. Lemoine, Deputy and Assistant Clerk, Master in Chancery, and French Translator; Jennings Taylor, Additional Assistant Clerk, and Chief Office Clerk; Rev. W. A. Adamson, D.C.L., Chaplain and Librarian; E. L. Montizambert, Law Clerk, English Translator, and Clerk of Committees; Rene Kimber, Gentleman Usher of the Black Rod; O. Vallerand, Sergeant-at-Arms.

ADDRESS.—To the Honourable the Legislative Council of the Province of Canada, in Parliament assembled. The

Humbly sheweth, That, &c.  
[Place and date.]

## LEGISLATIVE ASSEMBLY OF CANADA.

LOUIS VICTOR SICOTTE, Speaker.

*CONSTITUENCIES.* *NAMES.*  
Argenteuil . . . Sidney Bellingham.  
Bagot . . . Timothee Brodeur.  
Beauce . . . Dunbar Ross.  
Beauharnois . . Charles Daoust.  
Bellechasse . . Pierre Fortier.  
Berthier . . . Doctor Eust. Dostaler.  
Bonaventure . . Thomas Meagher.  
Brant (East) . . Daniel McKelvie.  
Brant (West) . . Herbert Biegier.  
Brockville (Town) . . George Crawford.  
Bytown (Town) . . Agar Yeilding.  
Carleton . . . Wm. F. Powell.  
Chamblay . . . Noel Darche.  
Champlain . . . Thomas Marchildon.  
Chateaugui . . . Jacob DeWitt.  
Ottawa and . . Hon. A. N. Merin.  
Tadoussac . . .  
Compton . . . John Sewall Sanborn.  
Cornwall (Town) . . Roderick McDonald.  
Dorchester . . . Barthelemi Pouliot.  
Drummond & . . J. B. Eric Dorion.  
Arthabaska . . John Pliny Chrysler.  
Dundas . . . Francis H. Burton.  
Durham (East) . . Henry Munro.  
Durham (West) . . George Southwick.  
Elgin (East) . . George MacBeth.  
Elgin (West) . . Arthur Rankin.  
Essex . . . Henry Smith.  
Frontenac . . . John LeBouthillier.  
Gaspe . . . Hon. J. S. Macdonald.  
Glengary . . .

*CONSTITUENCIES.* *NAMES.*  
Grenville (South) . . Wm. Patrick.  
Riding) . . .  
Grey . . . George Jackson.  
Haldimand . . Wm. Lyon Mackenzie.  
Hilton . . . Geo. K. Chiselm.  
Hamilton (City) . . Sir A. N. MacNab.  
Hastings (North) . . Edmund Murney.  
Riding) . . .  
Hastings (South) . . Billa Flint.  
Riding) . . .  
Huntingdon . . R. Brown Somerville.  
Huron & Bruce . . Hon. W. Cayley.  
Iberville . . . Chas. Joseph Laberge.  
Joliette . . . Joseph H. Jobin.  
Kamouraska . . Jean Chao. Chapais.  
Kent . . . Edwin Larwill.  
Kingston (City) . . Hon. J. A. Macdonald.  
Lambton . . . George Brown.  
Lanark (North) . . Robert Bell.  
Riding) . . .  
Lanark (South) . . James Shaw.  
Riding) . . .  
Laprarie . . . T. J. J. Loranger.  
L'Assomption . . Joseph Papin.  
Laval . . . Pierre Labelle.  
Lenox and Ad- . . David Roblin.  
dington) . . .  
Leeds & Grenville . . Bas R. Church.  
(North Riding) . . .  
Leeds (South Riding) . . Jesse Delong.  
Levis . . . Francois Lemieux.  
Lincoln . . . Hon. W. H. Merritt.  
L'Islet . . . Chas F. Fournier.  
London (City) . . John Wilson.  
Lotbiniere . . . John O'Farrell.  
Maskinonge . . Joseph E. Turcotte.  
Megantic . . . Wm. Rhodes.

*CONSTITUENCIES.* *NAMES.*  
Middlesex (East) . . Wm. Niles.  
Riding) . . .  
Middlesex (West) . . John Scatchord.  
Riding) . . .  
Missisquoi (East) . . Jas. M. Ferres.  
Riding) . . .  
Missisquoi (West) . . H. H. Whitney.  
Riding) . . .  
Montcalm . . . Joseph Dufresne.  
Montmagny . . Napoleon Casault.  
Montmorency . . Joseph Cauchon.  
Montreal (City) . . Antoine A. Dorion.  
Luther H. Holton.  
Hon. John Young.  
Montreal (Hoch- . . Joseph Laporte.  
lega Riding) . . M. F. Valois.  
Montreal (Jacques . .  
Cartier Riding) . .  
Napierville . . . Jacques O. Bureau.  
Niagara (Town) . . Joseph C. Morrison.  
Nicolet . . . Thomas Fortier.  
Norfolk . . . Hon. John Rolph.  
Northumberland . . James Ross.  
(East Riding) . .  
Northumberland . . Sidney Smith.  
(West Riding) . .  
Ontario (N. Riding) . . Joseph Gould.  
Ontario (S. Riding) . . J. McV. Lumsden.  
Ottawa . . . Alanson Cooke.  
Oxford (N. Riding) . . Donald Matheson.  
Oxford (S. Riding) . . Doctor Cook.  
Peel . . . James C. Aikins.  
Perth . . . Thos. Mayne Daly.  
Peterborough . . . John Langton.  
Pontiac . . . John Egan.  
Portneuf . . . Jos. Elle Thibault.  
Prescott . . . Henry W. McCann.



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Maunoulin  
James Raw-  
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Postmaster  
J. King, Ac-  
Montreal,  
Wicksteed,  
  
Geologist;  
Chemist.  
  
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Quebec.  
J. F. Taylor,  
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Additional  
Office Clerk;  
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Matheson.  
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McCann.

CONSTITUENCIES. NAMES.  
*Prince Edward* } David B. Stevenson.  
                          } Jean Blanchet.  
*Quebec (City)* } Charles Allyn.  
                          } Hon. Jean Chabot.  
*Quebec (County)* } Hon. P.J.O. Chauveau  
*Renfrew* . . . . . Hon. F. Hincks.  
*Richelieu* . . . . . Jean B. Guermont  
*Rimouski* . . . . . Joseph C. Tache.  
*Rouville* . . . . . Joseph N. Poulin.  
*Russell* . . . . . Geo. Byron Lyon.  
*Saguenay* . . . . . Pierre Gabriel Huot.  
*Saint Hyacinthe* . . . . . Louis Victor Scotté.  
*Saint John's* . . . . . Francois Bourassa.  
*Saint Maurice* . . . . . L. L. L. Desautier.  
*Shefford* . . . . . Hon. L.T. Drummond  
*Sherbrooke (Town)* . . . . . Alex. T. Galt.  
*Sherbrooke and*  
*Wolfe* } Wm. L. Felton.  
*Simcoe (N. Riding)* . . . . . Angus Morrison.  
*Simcoe (S. Riding)* . . . . . Hon. W.B. Robinson.  
*Sudbanges* . . . . . Luc H. Masson.  
*Stamstead* . . . . . Timothy L. Terrill.  
*Storont* . . . . . William Mattice.  
*Tenoussouata* . . . . . Benjamin Dionne.  
*Terrebonne* . . . . . G. M. Prevost.  
*Three Rivers (Town)* . . . . . Antoine Polette.

CONSTITUENCIES. NAMES.  
*Toronto (City)* } Hon. J. H. Cameron.  
                          } J. G. Bowes.  
*Two Mountains* . . . . . J. B. Daoust.  
*Vaudreuil* . . . . . J. B. Mongenais.  
*Vercheres* . . . . . Geo. E. Cartier.  
*Victoria* . . . . . James Smith.  
*Waterloo (North Riding)* . . . . . M. H. Foley.  
*Waterloo (South Riding)* . . . . . Robert Ferrie.  
*Willand* . . . . . John Frazer.  
*Willington (N. Riding)* . . . . . Wm. Clarke.  
*Willington (S. Riding)* . . . . . A. J. Ferguson.  
*Wentworth (N. Riding)* . . . . . Hon. R. Spence.  
*Wentworth (S. Riding)* . . . . . S. B. Freeman.  
*Yamaska* . . . . . Ignace Gil.  
*York (N. Riding)* . . . . . Joseph Hartman.  
*York (E. Riding)* . . . . . Amos Wright.  
*York (W. Riding)* . . . . . John W. Gamble.  
  
PERMANENT OFFICERS.  
W. B. Lindsay, Chief Clerk; G. B. Fairbault, Assistant Clerk; G. B. Wick-

stead, Law Clerk and English Trans-  
lator; W. B. Lindsay, Jr., Assistant  
do.; W. P. Patrick, Chief Office Clerk;  
T. Vaux, Second do. and Accountant;  
Henry Hartney, Third do. and En-  
grossing Clerk; Alfred Todd, Clerk of  
Private Bills; Wm. Spink, Clerk of  
Routine and Records; King Barton;  
Clerk of Petitions; H. B. Stewart, En-  
grossing Clerk; Wm. Ross, Chief Clerk  
of Committees; Alfred Patrick, Clerk  
of Committees; Thaddeus Patrick, do.  
do.; J. P. Leprohon, do. do.; G. Levesque,  
French Translator; D. P. Myrand, As-  
sistant do.; J. Huston, Assistant do.;  
William Fanning, Assistant do.; P. E.  
Gagnon, Clerk of French Journals; G.  
M. Muir, Clerk of English do.; W. Win-  
der, Librarian; Alpheus Todd, As-  
sistant Librarian; W. Lemoine, E. Bene-  
chaud, W. C. Burrage, Junior Clerks;  
Donald W. MacDonald, Sergeant-at-  
Arms; Felix Fortier, Clerk of the  
Crown in Chancery.

ADDRESS.—To the Honourable the Legislative Assembly of Canada in Provincial Parliament Assembled:  
The Petition of—  
Humbly Sheweth, That, &c.  
Wherefore your Petitioners humbly pray, &c.  
[Place and Date.]

NOTE.—No Petition to the Legislative Assembly will be received unless there be three genuine signatures on the sheet of paper or Parchment on which the conclusion of the Petition is written or printed. The usage has been, in the Legislative Assembly, to receive *only written* Petitions, but at a late session (1853), the Assembly adopted a resolution to receive *printed* Petitions in that House. All Petitions must be dated.

AN ACT TO REGULATE THE CURRENCY.

[Assented to 14th June, 1853.]

I. Repeals Acts 4 & 5 Victoria, chap. 93; 13 & 14 Vic., chap. 9; 14 & 15 Vic., chap. 47; and 14 & 15 Vic., chap. 48, relating to the Currency of this Province.  
II. The denominations of money in the Currency of this Province shall be pounds, dollars, shillings, pence, cents, and mills: the pound, shilling and penny shall have, respectively, the same proportionate values as they now have, the dollar shall be one-fourth of a pound, the cent shall be one hundredth of a dollar, and the mill one-tenth of a cent; and in any statement as to money or money value in any agreement, indictment or legal proceeding, the same may be mentioned and described in pounds, shillings and pence, or in dollars, cents and mills, or in any or either of such denominations as may be considered expedient.  
III. The Pound Currency shall be held to be equivalent to and to represent one hundred and one grains, and three hundred and twenty-one thousandths of a grain Troy weight of Gold of the standard of fineness now prescribed by law for the gold coins of the United Kingdom; and the Dollar Currency shall be held to be equivalent to and to represent one-fourth part of the weight aforesaid of gold of the said standard; and any gold coins of the standard of fineness aforesaid which Her Majesty shall direct to be struck at the Royal Mint, shall, by such names as shall be assigned to them in any Proclamation declaring them lawful money of this Province, pass current and be a legal tender for sums to be mentioned in such Proclamation and proportionate to their respective weights, subject to the like allowance for remedy as British Gold Coins.  
IV. The Pound Sterling shall be held to be equal to one pound four shillings and four pence, or four dollars eighty-six cents and two-thirds of a cent, currency, and any British Sovereign of lawful weight shall pass current and be a legal tender for that sum; and the other gold coins of the United Kingdom shall, while of lawful weight, pass current and be a legal tender for sums in currency equal, according to the proportion aforesaid, to their Sterling value.  
V. Provided always, that nothing in this Act shall affect the meaning to be affixed to the words "Sterling," "Sterling money of Great Britain," or other words of like import in any law in this Province, or in any part thereof, at the time when the Act herein first above cited and repealed came into force, or in any contract or agreement

then made therein, but any such law, contract or agree-  
ment shall be construed according to the intention of the  
Legislature, or of the parties who made the same; but in  
any law, contract or agreement made in this Province after  
the said Act came into force, or to be made after this Act  
shall come into force, the Pound Sterling shall be under-  
stood to have the value in Currency hereby assigned to  
the British Sovereign.  
VI. The Public Accounts of this Province shall be kept  
in such of the denominations of current money of this  
Province hereinbefore mentioned, as Her Majesty shall  
from time to time direct, but all sums of money and  
accounts may be legally mentioned, described and stated  
in any of the said denominations.  
VII. Such silver coins as Her Majesty may direct to be  
struck at the Royal Mint, of the fineness now fixed by  
law for the silver coins of the United Kingdom, and of  
weights bearing respectively the same proportion to the  
value to be assigned to such coins in this Province, which  
the weight of the silver coins of the United Kingdom bear  
to the value assigned to them in the United Kingdom,  
shall, by such names as shall be assigned to them by Her  
Majesty in her Royal Proclamation declaring them lawful  
money of this Province, pass current and be a legal tender  
at the rates assigned to them respectively in such Procla-  
mation.  
VIII. Until it shall be otherwise ordered by Her Majes-  
ty's Royal Proclamation, the silver coins of the United  
Kingdom, while lawfully current therein, shall pass cur-  
rent in this Province for sums in currency equal, according  
to the proportion hereinbefore fixed, to the sums in ster-  
ling for which they respectively pass current in the United  
Kingdom, but after the time to be fixed for that purpose  
in any such Proclamation as aforesaid, they shall cease to  
be current money in this Province; and no other silver  
coins than those declared to be so by this Act shall be a  
legal tender or current money in this Province.  
IX. Provided always, the silver coins mentioned in  
either of the two next preceding sections, shall not be a  
legal tender to the amount of more than Two Pounds Ten  
Shillings Currency, in any one payment; and the holder  
of the notes of any person or persons or body corporate, to  
the amount of more than Two Pounds Ten Shillings cur-  
rency, shall not be bound to receive more than that amount  
in such silver coins in payment of such notes if presented



for payment at one time, although each or any of such notes be for a less sum.

X. The Copper Coins of the United Kingdom shall, while lawfully current therein, pass current and be a legal tender in this Province, to the amount of One Shilling currency and no more in any one payment, at the following rates, that is to say: the copper penny for two cents, the copper half-penny for one cent, and any other subdivisions of the said copper penny for proportionate sums; provided always, that any copper coins of like weights with those aforesaid respectively, which Her Majesty may direct to be struck for the purpose, shall pass current and be a legal tender in this Province, at the like rates and to the like amount in any one payment: and that if such copper coins be struck, Her Majesty may, if she see fit, declare by Proclamation that the copper coins of the United Kingdom shall not be lawful money of this Province after a day to be appointed in such Proclamation.

XI. The Gold Eagle of the United States of America coined before the first day of July, one thousand eight hundred and thirty-four, and weighing eleven pennyweights, six grains Troy weight, shall pass current and be a legal tender in this Province for ten dollars and sixty-six cents and two thirds of a cent, or two pounds thirteen shillings and four pence currency, and the half eagle of like date and proportionate weight for one half the said sum: and the Gold Eagle of the said United States, coined after the day last mentioned, and before the first day of January, one thousand eight hundred and fifty-two, or after the said day but while the standard of fineness for gold coins then fixed by the laws of the said United States shall remain unchanged, and weighing ten pennyweights eighteen grains, Troy weight, shall pass current and be a legal tender in this Province for ten dollars or two pounds ten shillings currency; and the gold coins of the said United States, being multiples or halves of the said Eagle, and of like date and proportionate weight, shall pass current and be a legal tender in this Province for proportionate sums.

XII. Her Majesty may at any time declare by Proclamation, that any, or all of any other gold coins of the said United States, or of any other Foreign Nation or State, shall pass current and be a legal tender in this Province, at rates in currency to be assigned to them respectively in such Proclamation, when of the weights to be also assigned therein, such rates being proportionate to the quantity of pure gold in such coins, reckoning ninety-two grains and eight hundred and seventy-seven thousandths of a grain of pure gold as equivalent to one pound currency.

XIII. If any person shall colour or gild, or case over with gold or silver, or with any wash or materials producing the colour of gold or silver, any coin of coarse gold or of coarse silver, or of base metal, resembling any coin made or declared to be current by this Act, or shall make or cause to be made, or shall buy, sell or procure for himself or for another, or shall knowingly bring or import, or cause to be brought and imported into this Province, any forged, false or counterfeit gold, silver or copper coin, like to any of the gold, silver or copper coin made or declared by this Act to be lawfully current, or any coin of coarse gold or of coarse silver, or of base metal colored, gilded or case over with gold or silver, or with any wash or materials producing the colour of gold or silver, and resembling any such coin, or any piece of gilded silver resembling any such coin, or shall utter or attempt to utter, or tender in payment to any person or persons (as being any of the gold, silver or copper coins hereby made or declared to be current money,) any false or counterfeit piece, counterfeited to any of the gold, silver or copper coins made or declared to be current by this Act, or to any of the higher or lower denominations thereof, knowing the same to be false or counterfeit, such person shall be guilty of a misdemeanor, and on being duly convicted shall be liable to be imprisoned and kept at hard labour in the Provincial Penitentiary for not less than three nor more than fourteen years, in the discretion of the Court before which the conviction shall be had; and if such person shall afterwards offend in like manner, he or she shall for such second or for any subsequent offence, be deemed guilty of felony, and on being thereof duly convicted, shall be liable to be imprisoned in the said Penitentiary for life, or for any term not less than fourteen years, in the discretion of the Court before which the conviction shall be had.

XIV. If any person shall form, make, cut, sink, stamp, engrave, repair or mend, or shall assist in forming, making, cutting, sinking, stamping, engraving, repairing or mending, or shall have in his or her possession, except for some known and lawful purpose, any false or counterfeit coin, counterfeited to any coin lawfully current under the authority of this Act, or any die, press, tool or instrument, or metal or material of any kind, used, constructed, devised, adapted or designed for the purpose of counterfeiting or imitating any Coin which shall be lawfully current under the authority of this Act, such person shall be guilty of a misdemeanor, and shall be liable to punishment accordingly; and the proof that such false or counterfeit coin, or such die, press, tool or instrument, metal or material was formed, made, cut, sunk, stamped, engraved, repaired, or mended by or was in the possession of such person for some lawful purpose, shall lie upon him or her.

XV. It shall be lawful for any one Justice of the Peace, on complaint made before him upon the oath of one credible person, that there is just cause to suspect that any person or persons is or are or hath or have been concerned in making, counterfeiting or imitating any such coin as aforesaid, by warrant under the hand of such Justice of the Peace, to cause the dwelling-house, room, work-shop, out-house or other building, yard, garden, ground or other place belonging to such suspected person or persons, or where such suspected person or persons shall be suspected to carry on any such making, counterfeiting or imitating, to be searched for any such counterfeit coin; and if any such coin, or any such die, press, tool or instrument, metal or material as aforesaid shall be found in the possession or custody of any person or persons whomsoever, not having the same for some lawful purpose, it shall and may be lawful to and for any person or persons discovering the same, to seize, and he or they are hereby authorised and required to seize and carry the same forthwith before a Justice of the Peace having jurisdiction within the locality in which the same shall be seized, who shall cause the same to be secured and produced in evidence against any person or persons who shall or may be prosecuted for any such offence as aforesaid, in any Court of competent jurisdiction, and the same after being so produced in evidence, shall by order of the Court be defaced or destroyed, or otherwise disposed of as the Court shall direct.

XVI. Any person to whom any pretended gold, silver or copper coin shall be tendered in payment, which shall by the stamp, impression, colour or weight thereof, afford reason to suspect that the same is false or counterfeit, may cut or break such coin, and if the same shall be counterfeit, the person who tendered it shall bear the loss, otherwise the person who shall have cut or broken it shall receive it for a sum proportionate to its weight; and if any question shall arise whether such coin be counterfeit, it shall be determined by any Justice of the Peace, who, if he entertain any doubt in that behalf, may summon three skillful persons, the decision of a majority of whom shall be final.

XVII. If any false or counterfeit coin shall be produced in any Court of Law, the Court shall order the same to be cut in pieces in open Court or in the presence of a Justice of the Peace, and then delivered to or for the lawful owner thereof, if any such lawful owner there be claiming the same.

XVIII. Any person who shall knowingly utter, attempt to utter or offer in payment, as being lawfully current, any gold coin of less than its lawful weight, or shall diminish the weight of any such coin with intent to utter or offer it in payment as lawfully current, shall be guilty of a misdemeanor, and on being duly convicted shall be liable to be punished accordingly.

XIX. On any trial for any offence under this Act it shall not be necessary to call any Officer of the Mint or other person employed in producing the lawful coin, in order to prove any counterfeit to be such, but the fact may be proved by any evidence which shall be satisfactory to the Jury trying the case.

XX. This Act shall have force and effect upon, from and after the day to be appointed by Her Majesty for that purpose, by Proclamation, and not before.

[Received the Royal assent and came into operation 1st August, 1854.]

## THE RECIPROCITY TREATY.

A treaty extending the rights of fishing, and regulating the commerce and navigation between her Britannic Majesty's possessions in North America and the United States, concluded in the city of Washington on the 5th day of June, Anno Domini 1854, between the United States of America and her Majesty the Queen of the United Kingdom of Great Britain and Ireland.

The government of the United States, being equally desirous with her Majesty the Queen of Great Britain, to avoid further misunderstanding between their respective citizens and subjects in regard to the extent of the right of fishing on the coasts of British North America, secured to each by Article A of a convention between the United States and Great Britain, signed at London on the 20th day of October, 1818, and being also desirous to regulate the commerce and navigation between their respective territories and people, and more especially between her Majesty's possessions in North America and the United States, in such manner as to render the same reciprocally beneficial and satisfactory, have respectively named plenipotentiaries to confer and agree thereupon—that is to say, the President of the United States of America, William L. Marcy, Secretary of State of the United States, and her Majesty the Queen of Great Britain and Ireland, James, Earl of Elgin and Kincardine, Lord Bruce and Elgin, a Peer of the United Kingdom, Knight of the Most Ancient and Most Noble Order of the Thistle, and Governor General in and over all her Britannic Majesty's provinces on the continent of North America, and in and over the Island of Prince Edward, who, after having communicated to each other their respective full powers, found in good and due form, have agreed upon the following articles:

ART. 1. It is agreed by the high contracting parties, that in addition to the liberty secured to the United States' fishermen by the above mentioned Convention of 1818, of taking, curing and drying fish on certain coasts of the British North American Colonies therein defined, the inhabitants of the United States shall have, in common with the subjects of her Britannic Majesty, the liberty to take fish of every kind except shell fish, on the sea coasts and shores, and in the bays, harbours and creeks of Canada, New Brunswick, Nova Scotia, Prince Edward Island, and of the several Islands thereunto adjacent, without being restricted to any distance from the shore, with permission to land upon the coasts and shores of those colonies and the Islands thereof, and upon the Magdalen Islands, for the purpose of drying their nets and curing their fish.

That in so doing they do not interfere with the rights of private property, or with British fishermen, in the peaceable use of any part of the coast in their occupancy for the same purpose. It is understood that the above mentioned liberty applies solely to sea fishery, and that salmon and shad fisheries, and all fisheries in rivers and mouths of rivers are hereby reserved exclusively for British fishermen. And it is further agreed, that in order to prevent or settle any disputes as to the places which the reservation of exclusive right to British fishermen, contained in this article, and that of fishermen of the United States, contained in the next succeeding article apply to each of the high contracting parties, on the application of either to the other, shall within six months thereafter appoint a commissioner.

The said commissioners, before proceeding to any business, shall make and subscribe a solemn declaration that they will impartially and carefully decide, to the best of their judgment and according to justice and equity, without fear, favor, or affection to their own country, upon all such places as are intended to be reserved and excluded from the common liberty of fishermen under this and the next succeeding article, and such declaration shall be entered on the record of their proceedings.

The commissioners shall name some third person to act as arbitrator or umpire in any cause or causes on which they may themselves differ in opinion. If they should not be able to agree upon the name of such person, they shall each name a person, and it shall be determined by lot which of the two persons so named shall be arbitrator or umpire in cases of difference or disagreement between the commissioners.

The person to be chosen to be arbitrator or umpire shall, before proceeding to act as such in any case, make and subscribe a solemn declaration, in a form similar to that which shall already have been made and subscribed by the commissioners, which shall be entered on the record of their proceedings.

In the event of the death, absence, or incapacity of either the commissioners or the arbitrators, or umpire, or of their or his omitting, declining or ceasing to act as such commissioner, arbitrator or umpire, another and different person shall be appointed or named, as aforesaid, to act as such commissioner, arbitrator, or umpire, in the place and stead of the person so originally appointed or named as aforesaid, and shall make and subscribe such declaration as aforesaid.

Such commissioners shall proceed to examine the coasts of the North American Provinces and of the United States embraced within the provisions of the first and second articles of this treaty, and shall designate the places reserved by the said articles from the common right of fishing therein. The decision of the commissioners, and of the arbitrator or umpire, shall be given in writing in each case, and shall be signed by them respectively. The high contracting parties hereby solemnly engage to consider the decision of the commissioners conjointly, or of the arbitrator or umpire, as the case may be, as absolutely final and conclusive in each case decided upon by them or him respectively.

ART. 2. It is agreed by the high contracting parties that British subjects shall have, in common with the citizens of the United States, the liberty to take fish of every kind except shell fish, on the eastern sea-coasts and shores of the United States north of the thirty-sixth parallel of north latitude, and on the shores of the several Islands thereunto adjacent, and in the bays, harbours and creeks of the said sea, the coasts and shores of the United States and of the said Islands, without being restricted to any distance from the shores, with permission to land upon the said coast of the United States and of the Islands aforesaid, for the purpose of drying their nets and curing their fish, providing that in so doing they do not interfere with the rights of private property, or with the fishermen of the United States in the peaceable use of any part of the said coasts, in their occupancy for the same purpose.

It is understood that the above mentioned liberty applies solely to the sea fishery, and that salmon and shad fisheries, and all fisheries in rivers and mouths of rivers are hereby reserved exclusively for fishermen of the United States.

ART. 3. It is agreed that the articles enumerated in the schedule, hereunto annexed, being the growth and produce of the aforesaid British colonies or of the United States, shall be admitted into each country respectively, free of duty.

## SCHEDULE.

Grain, flour and breadstuffs of all kinds, animals of all kinds; fresh, smoked and salted meats, cotton, wool, seeds, and vegetables; undried fruits, dried fruits; fish of all kinds; products of fish and all other creatures living in the water, poultry, eggs, hides, furs, skins or tails undressed; stone or marble in its crude or unworked state; slate, butter, cheese, tallow, lard, horns, manure; ores of metals of all kinds; coal, pitch, tar, turpentine, ashes; timber and lumber of all kinds, round, hewed and sawed, unmanufactured, in whole or in part; firewood; plants, shrubs and trees; pelts; wool; fish oil; rice, broom-corn and bark; gypsum, ground and unground; hewn or wrought or unworked burl or griststones; dyestuffs; flax, hemp and tow unmanufactured; unmanufactured tobacco.

ART. 4. It is agreed that the citizens and inhabitants of the United States shall have the right to navigate the river St. Lawrence and the canals in Canada, used as the means of communicating between the great lakes and the Atlantic Ocean, with their vessels, boats, and crafts, as fully as the subjects of her Britannic Majesty, subject only to the same tolls and other assessments as now or may hereafter be exacted of her Majesty's said subjects, it being understood, however, that the British Government retains the right of suspending this privilege on giving due notice thereof to the government of the United States.

It is further agreed, that if at any time the British government should exercise the said reserved right, the government of the United States shall have the right of suspending, if it thinks fit, the operation of Article 3 of the present treaty, in so far as the province of Canada is affected thereby, for so long as the suspension of the free navigation of the St. Lawrence or the canals may continue.

It is further agreed, that British subjects shall have the right freely to navigate Lake Michigan with their vessels, boats and crafts so long as the privilege of navigating the

river St. Lawrence, secured to Americans by the above clause of the present article, shall continue; and the government of the United States further engages to urge upon the state governments to secure to the subjects of her Britannic Majesty the use of the several canals on terms of equality with the inhabitants of the United States.

And it is further agreed that no export duty, or other duty, shall be levied on lumber or timber of any kind cut on that portion of the American territory in the State of Maine, watered by the river St. John and its tributaries, and floated down that river to sea, when the same is shipped to the United States from the province of New Brunswick.

ART. 5. The present treaty shall take effect as soon as the laws required to carry it into operation shall have been passed by the Imperial Parliament of Great Britain and by the Provincial Parliaments of those of the British North American colonies which are affected by this treaty on the one hand, and by the Congress of the United States on the other; such assent having been given the treaty shall remain in force for ten years from the date at which it may come into operation; and further, until the operation of twelve months after either of the high contracting parties shall give notice to the other of its wish to terminate the same, each of the high contracting parties being at liberty to give such notice to the other, at the end of the said term of ten years or at any time afterwards.

It is clearly understood, however, that this stipulation is not intended to affect the reservation made by Article 4, of the present treaty, with regard to the right of temporarily suspending the operation of Article 3 and 4 thereof.

ART. 6. And it is hereby further agreed, that the provisions and stipulations of the foregoing articles shall extend to the Island of Newfoundland, so far as they are applicable to that colony. But if the Imperial Parliament, the Provincial Parliament of Newfoundland, or the Congress of the United States shall not embrace in their laws, enacted for carrying this treaty into effect, the colony of Newfoundland, then this article shall be of no effect; but the omission to make provision by law to give it effect, by either of the legislative bodies aforesaid, shall not in any way impair the remaining articles of this treaty.

ART. 7. The present treaty shall be duly ratified, and the mutual exchange of ratifications shall take place in Washington, within six months from the date hereof, or earlier if possible.

In faith whereof, we, the respective plenipotentiaries, have signed this treaty, and have hereunto affixed our seals.

Done in triplicate, at Washington, the fifth day of Jan<sup>r</sup>, Anno Domini, one thousand eight hundred and fifty-four.

W. L. MARCY, [L. S.]  
ELGIN and KINCARDINE, [L. S.]

## POST OFFICE DEPARTMENT.

ENGLISH MAILS.—English Mails are despatched weekly by the British and American Liverpool mail steamers, and received at Montreal, Kingston, Toronto, and Hamilton. The steamers leave New York and Boston, alternately every Wednesday.

Letter rate by these steamers per ½ oz. . . 10d.

Mails are also despatched by the Canadian mail steamers from Quebec on the 5th and 20th of each summer month, and via Montreal from Portland monthly during the winter. The mails transmitted by these steamers are steadily on the increase, and reach England as regularly and promptly as if despatched via New York or Boston.

Letter rate by these steamers per ½ oz. . . 7½

NOTE.—Letters by this line must be specially addressed via CANADIAN MAIL LINE.

Newspapers by these steamers, . . . Free.

POSTAGE CHARGE ON LETTERS.—The postage rate on letters to any of the British North American Provinces is 3d per ½ oz. Prepayment optional. To Australia or the East Indies, to be always prepaid.

To British Colonies in the West Indies, Gulf of Mexico, &c., via Quebec and Halifax, 7½d per ½ oz. Prepayment optional. To foreign places, to be always paid in advance.

POSTAGE CHARGE ON NEWSPAPERS AND PERIODICAL PUBLICATIONS.—1. The postage charge on Canadian newspapers, when transmitted through the post in this Province is:

When published daily, . . . 8s. 6d. per annum.  
“ “ tri-weekly, 4 0 “ “  
“ “ bi-weekly, 2 8 “ “  
“ “ weekly, . . . 1 4 “ “

These rates to be paid quarterly in advance.

2. Publishers may make this prepayment on behalf of their subscribers.

3. These rates apply to papers published in the United States and addressed to subscribers in Canada.

4. Postage on transient papers to remain at ½d. on each paper. Prepayment optional.

5. Newspapers to and from the Lower Provinces, or sent to subscribers in the United States from office of publication in Canada, and Exchange Newspapers, are exempt from postage charge.

6. Postage rate on Magazines and other Periodical Publications is as follows:

When issued monthly and weighing not more than 1 oz., . . . 0 4d. per annum.  
“ “ “ “ “ 4 oz., 1 0 “ “  
“ “ “ “ “ over 4 oz., 2 0 “ “

When issued more or less frequently than once a month, the charge to be in like proportion: thus, on a weekly periodical of less than one ounce in weight, the charge will be 4d. per quarter, and in advance as with newspapers.

7. Postage on transient periodicals to be 2d. per oz. Prepayment optional.

8. Should the quarterly payment of postage on newspapers or periodicals be refused in advance, then they are to be treated as transient newspapers or periodicals, and transient rates imposed.

9. Periodicals devoted exclusively to the promotion of Science, Education, Temperance, or of Agricultural Instruction—free.

## LIST OF POST OFFICES

Which have been established in Canada, from 1st October, 1853, to 30th June, 1854, inclusive, alphabetically arranged, showing the Township, Parish, or Seigniory, and the County in which each is situated, with the names of the Postmasters.

NAME OF POST OFFICE.	TOWNSHIP OR SEIGNIORY.	COUNTY.	NAME OF POSTMASTER.
Alton, . . . .	Caledon, . . .	Peel, . . . .	John S. Meek.
Arlzyle, . . . .	Reach, . . . .	Ontario, . . .	John Mills.
Arlington, . . .	Adjala, . . . .	Simcoe, . . .	J. Ferguson.
Ashfield, . . . .	Ashfield, . . . .	Huron, . . . .	J. De Cantillon.
Auburn, . . . .	Colborne, . . .	Huron, . . . .	W. B. Garratt.
Awlin, . . . .	Gatineau R <sup>r</sup> , . . .	Ottawa, . . . .	John Little.
Bazotville, . . .	Bazot, . . . .	Saguenay, . . .	L. Z. Rousseau.
Belle Riviere, . .	St. Scholast <sup>e</sup> T. Mountains,	W. Snowdon.	
Berville, . . . .	Kincardine, Bruce, . . .	N. McIntyre.	
Biddulph, . . . .	Biddulph, . . . .	Huron, . . . .	John Cooney.
Black Creek, . .	Willoughby, Welland, . .	A. McMurray.	
Bridgenorth, . .	Smith, . . . .	Peterboro', . .	M. S. Dean.
Britannia Mills, Upton, . .	Drummond, . . .	Thos. McCaw,	
Carluke, . . . .	Ancaster, . . . .	Wentworth, Jas. Calder.	
Carp, . . . .	Huntley, . . . .	— Law.	
Carronbrook, . .	Logan, . . . .	Perth, . . . .	Uzzial C. Lee.
Castlemore, . . .	G. of Toronto, Peel, . . . .	M.C. Brougham	
Chatham, . . . .	Quebec, . . . .	Quebec, . . . .	J. Lecourt.
Chichester, . . .	Chichester, . . . .	Ottawa, . . . .	John Poupore.
Clareview, . . .	Sheffield, . . .	Addington, . .	A. McDonnell.

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NAME OF POST OFFICE.	TOWNSHIP OR SEIGNIORY.	COUNTY.	NAME OF POSTMASTER.
Comer's Mills, . .	Isl. Montreal, Montreal, . .	R. Robertson.	
Cote des Neiges, . .	Ernestown, . . .	Addington, . .	D. W. Perry.
Cranbourne, . . .	Cranbourne, . . .	Dorchester, . .	John Keegan.
Croton, . . . .	Dawn, . . . .	Lambton, . . .	J. H. Johnson.
Drew's Mills, . . .	Barford, . . . .	Stanstead, . . .	A. F. Bangs.
Drumbo, . . . .	Blenham, . . . .	Oxford, . . . .	Geo. Hicks.
East Plympton, . .	Plympton, . . . .	Lambton, . . .	J. Oxenham.
Elizabethville, . .	Hops, . . . .	Durham, . . . .	J. McMarly.
Elma, . . . .	Elma, . . . .	Perth, . . . .	George Coda.
Enterprise, . . .	Camden East, Addington, . .	J. Campbell.	
Erinsville, . . . .	Sheffield, . . . .	Addington, . .	J. Gafney.
Fitch Bay, . . . .	Stanstead, . . .	Stanstead, . . .	John Bell.
Forester's Falls, Ross, . . .	Renfrew, . . . .	O. Forester.	
Garthby, . . . .	Garthby, . . . .	Sherbrooke, . .	L. T. Lebel.
Grande Ligne, . . .	— . . . .	Huntingdon, —	Gunning.
Grey, . . . .	Grey, . . . .	Huron, . . . .	A. Guinloch.
Griersville, . . .	St. Vincent, . . .	Grey, . . . .	A. Grier.
Ham, . . . .	Ham, . . . .	Sherbrooke, . .	Israel Rice.
Hannon, . . . .	Glanford, . . .	Wentworth, . .	Jos. Hannon.
Harrington, . . .	West Zorra, . . .	Oxford, . . . .	D. L. Demorest.

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Kilross  
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Lifford,  
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Loskey,  
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Middley  
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Morristo  
Moscow,  
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North G  
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Nottawa  
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Return duty, £3,453. Deducting the return duty from the other deductions we have £30,733 for the expenses of collection, or  $\frac{1}{4}$  per cent.

The Ports where the expenses exceeded the returns, were Beauve, Coteau-du-Lac, Herford, Lisle Verte, Gratton, Maitland, Owen Sound, Penetanguishene, Port Credit, Port Milford, Riviere aux Raisins, Saugeen, Wellington.

**LICENCES.**—The gross receipts for the year derived from licences were as follows, viz: From shops, £6,544; stills, £12,759; billiard tables, £172; hawkers and pedlars, £1,017; steamboats, £243; ferries, 12,015; auction licenses and duties, £6,655. The total revenues from these sources were, therefore, £27,405; the charges for collection were £4,050, and the net revenue £23,345. The cost of collection was, therefore, 14-19 per cent.

Of the auction duty Montreal paid more than all the rest of the Province, and about two-thirds of the whole revenue, viz, £3,972 out of £6,655.

**Territorial.**—Ferries, £760; rent Moffatt's Island, £9; commutation of lot of land, £2; sales of Crown Land, C. E., £1,923; in C. W., 17,095; instalments, C. E., £30; do. C. W., £1,582; sundry other receipts in Crown Land Office, £3,110. The woods and forest revenues are stated thus:—

For Ottawa Ground rents	£4938
Timber Dues	24769
St. Maurice Ground Rents	7365
Timber Dues	641
Madawaska Territory Ground Rents,	227
Bonus for Timber Berths	6248
Timber Dues	628
Ground Rents, from sundry Agents	1583
Timber Dues, do.	15118
Land Arrears, outstanding from McLean Stewart,	287
Ground Rent from D. McLean, in 1851	3

£61857

Crown Domain, £727; Selznigory of Lauzon, £6,444, of which £3,911 is revenue and £2,553 for Mill sales. Total Territorial, £93,770.

**Bank Issues.**—The following is a statement of duties on Bank Issues for 1853:—Montreal, £7,250; Upper Canada, £3,771; Commercial, £3,581; B. N. America, £3,197; City, £1,447; Gore, £1,984; Quebec, £939; People's, £890; Farmer's, £30. Total, £23,053.

**Public Works.**—The details of the Canal Revenues are published in the analysis of the Trade and Navigation Returns (page 43). We therefore content ourselves with stating here that the revenue arising from works for improving navigations arose from the following, viz:—Welland, St. Lawrence, Burlington, and Chambly Canals; Cobourg, Donhouse, Maitland, Stanley, Whitby, Rond'Eau and Dover Harbours, Chatham, Dunnville, Duchesne, Jacques Cartier, Melbourne, Trent, Union Suspension (Bytown) Bridges; St. Ann's and St. Ours' Locks; and the Ottawa and Trent Slides. The total revenue from them all was £115,220; the expenses of all kinds (repairs and collections) £44,627; the net revenue, £70,593; and the following were the gross revenues compared with the charges on the six principal works, viz:—Welland, revenue £67,478, charges £22,980; St. Lawrence, revenue £25,602, charges £14,284; Burlington, revenue £5,625; charges £201; Chambly, revenue £2,069, charges £1,732; Ottawa Slides, revenue £7,454, charges £1,821; Trent, revenue £1,180, charges, £2,715. The following charges were in excess of the revenue collected, viz:—Chatham Bridge £53; Trent do. £5; St. Ours' Lock, £283; Trent Slides £1,535. The following are the roads from which a revenue is derived, viz:—Dundas, Hamilton and Brantford, Hamilton and Dover, Kingston and Napanee, London and Brantford, London and Port Stanley, Port Hope and Rice Lake, Toronto. They produced nett, £7,752.

**Interest.**—In the statement of the casual revenue, we find the following account of interest received from several Banks, viz:—Upper Canada, £3,000; B. N. A. £2,200; People's, £1,747; Montreal, £1,193; Commercial, £2,013; Quebec, 48. Total, £10,157.

#### JESUITS' ESTATES.

##### Expenditure.

To this sum being the proportion chargeable to this Fund for Educational Institutions in Canada East, for the year 1853, as per Act 16 Vic, cap. 156. . . £4000 0 0  
To Balance carried to next year . . . 11963 0 6

Total Currency . . . £15963 0 6

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#### Receipts.

By Balance from last year	£7403
By Cash credited by the Receiver General, being Interest on Debentures held on Account of this Fund	£2883
By Am't received from the Commissioner of Crown Lands, for Rents, &c. on Lands sold.	£727
	8560

Total Currency . . . £15963

By Balance brought down . . . £11963  
**Marriage Licences.**—Fees in Canada West last year on 4596 licences, £4,596; in Canada East, £919.

**Emigrant Duty.**—Nett receipts £13,440, of which £3,335 was the balance on hand from last year, and £3941 is carried to next year, leaving for the twelve months' expenditure £9805, thus applied, viz:—Balances due in 1852, £418; Emigration Office Expenses, £5,636; Emigrant Hospital, Quebec, £584; Grosse Isle, £2,475; Inspecting Physicians, Quebec, £311; Chaplains' houses, Grosse Isle, £43; work at Grosse Isle, £324.

#### MONTREAL COURT HOUSE.

##### Receipts.

Balance last year	£8779
Law Fees	2913
Tavern Licences	1237
Interest from Canada District Savings Bank on £11,000, for one year at 4 per cent.	440
Premiums on 8 per cent. Debentures at 3 and 2 per cent	217
Debentures negotiated from 1850 to 1853, both inclusive	13588

##### Expenditure.

Interest on Debentures	£2502
Carried to next year	11080
	£13588
Brought down	£14086
Debenture Account, viz: Debentures negotiated.	£40000
Payments from 1850 to 1853, both inclu.	£23293
In 1853	8160
Balance carried to next year	8539
	£40000
Brought down	£53239

#### CLERGY RESERVES.

**REVENUE in C. W., derived from dividend on investments of proceeds of Lands sold under 8th George the 4th; interest on lands sold on credit, &c.**  
Dividends on Investments in England, proceeds of Exchange . . . £9136  
Interest on Investments within the Province . . . 2513  
Interest on Lands sold on credit . . . 8257  
Rents of Leased Lots . . . 4371

Total Revenue . . . £24288

Disposed of thus, viz:—Roman Catholic Church, £740; Rev. W. Bell, Presbyterian, £111; United Synod do. £545; Wesleyan Methodists, £574; Church of England, being two-thirds of £22,317, £14,878; Church of Scotland, one-third of £22,317, 7,439; stipends of Church of Scotland Ministers who were incumbents in 1840, £411; Synods of Canada in connexion with the Church of Scotland, £7439.

**REVENUE in C. E., (as above in C. W.) viz:—**  
Dividends on Investments in England, proceeds of Exchange . . . £2933  
Interest on Investments within the Province . . . 95  
Interest on Lands sold on Credit . . . 0

Total Revenue . . . £3028

Two-thirds of Church of England, £2019; one-third of Church of Scotland, £1,009; allowance to Ministers of that Church, £277; Synod of Canada in connection with the Church of Scotland, £731.

**REVENUE from Dividends on Investments under 3rd and 4th Victoria, interest on sales on credit, &c., C. W.:—**  
Dividends in England . . . £3108  
Within the Province . . . 7448  
Lands on Credit . . . 9785

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St. Lawrence  
1851, 450,400



This disposed of two-sixths to Church of England, £6780; one-sixth to Church of Scotland, £3890; R. C. Church, £1920; Wesleyan Methodists, £233; leaving a balance at the appropriation of the Governor-General of £3041, which added to previous balances and interests amounts to £25,793.

Revenues from dividends on investments as above, C. E.:  
Investments within the Province . . . . . £2216  
Lands sold on credit . . . . . 149

Two-sixths to C. of E. £221; one-sixth to C. of S. £119; leaving a balance of £332 to be added to past balances of £973, making a total of £1300.

#### Debentures Redeemed.

	1853.
Welland Canal . . . . .	£12330
Montreal Roads . . . . .	33280
Quebec Roads . . . . .	22092
Home District Roads . . . . .	600
War Losses . . . . .	38490
Insurance Losses . . . . .	500
Several Roads . . . . .	13158
Public Works Debentures issued since the Union . . . . .	205527

Total in 1853 . . . . . £329037

Total redeemed from 1849 to 1853, both inclusive, £534761

#### Sinking Fund.

Amount at Credit of the Sinking Fund of Canada, up to the 31st January, 1854, invested in reduced 3 per cent. annuities

	Sterling.
By Amount as per Statement No. 46, Public Accounts, 1852, C'y., £368874 15s. 11d. £302527 4 8	
By half-year's Dividend to 5th April, 1853, on Sterling, £302527 4s. 8d., at 3 p. ct. 4537 17 2	
By Investment of £600000 Sterling, on 28th July, 1853, on account of Sinking Fund for 1853, the same producing . . . . . 60377 7 2	
By half-year's Dividend, to 18th Oct., 1853, on £367442 10s. Sterling, at 3 per cent. 5511 12 9	
By Gain on Investment of £5311 12s. 9d., Sterling . . . . . 553 8 9	

Sterling . . . . . £373507 10 6

Currency . . . . . £454434 4 2

#### Public Debt.

Total Debt.—£4,621,200; Annual Interest, £225,047.  
Debentures due in 1854 and 1855. In 1854, £279,668, of which were redeemed, £243,333; in 1855, £476,666.

Consolidated Municipal Debentures, paid under the authority of Act 16 Vic., cap. 32, prior to 31st January, 1854, the same bearing interest at 6 per cent. per annum, and redeemable on 1st July, 1873:

#### Names of Municipalities.

	Amount C'y.
Town of Niagara . . . . .	£15000
do Port Hope . . . . .	50000
do Brantford . . . . .	25000
do St. Catharines . . . . .	12500
do Bytown . . . . .	50000
do Prescott . . . . .	25000
do Woodstock . . . . .	100
Township of Hope . . . . .	15000
do Brantford . . . . .	12500
do Bertie . . . . .	10000
do Camborough . . . . .	2000
do Walpole . . . . .	5000
do Middleton . . . . .	1250
do Moulton and Sherbrooke . . . . .	5000
do Stanley . . . . .	2500
Village of Chippawa . . . . .	5000
do Paris . . . . .	10000
County of Grey . . . . .	4000
do Bruce and Huron . . . . .	125000
do Lincoln and Welland . . . . .	12000
do Oxford . . . . .	5000
do Lambton . . . . .	4000
do Perth . . . . .	25000

Total Currency . . . . . £49850

Comparative Statement of the Net Revenue and Expenditure for 1852 and 1853:—

	Revenue.	1852.	1853.	Inc.	Dec.
	£	£	£	£	£
Customs . . . . .	705517	686597	281080	...	...
Excise . . . . .	22445	22523	77	...	...
Territorial . . . . .	32248	61147	31899	...	...
Bank Imposts . . . . .	18089	23653	4064	...	...
Public Works . . . . .	71124	77639	6215	...	...
Militia Commissions . . . . .	41	9	...	...	...
Fines and Forfeitures . . . . .	2785	2084	...	...	...
Casual . . . . .	22431	14947	...	...	...
Law Fees . . . . .	4948	4139	...	...	...
Totals, C'y. . . . .	£389528	1195163	323335	8995	
	Expenditure.	1852.	1853.	Inc.	Dec.
	£	£	£	£	£
Interest . . . . .	214125	226448	12323	...	...
Civil List, Schedule A. . . . .	28906	28936	...	...	...
Civil List, Schedule B. . . . .	34941	32483	...	...	...
Permanent Charges under Acts, C. E. . . . .	4334	5040	1606	...	...
Do. do. Canada West . . . . .	5448	5489	41	...	...
Do. do. under Acts of Canada . . . . .	140333	163917	23584	...	...
Paym'ts under Estimate, 1849 . . . . .	6322	...	...	...	...
Do. do. 1850 . . . . .	421	77	...	...	...
Do. do. 1851 . . . . .	24702	1476	...	...	...
Do. do. 1852 . . . . .	118589	36080	...	...	...
Do. do. 1853 . . . . .	...	170354	170354	...	...
Sinking Fund . . . . .	73000	73000	...	...	...
Totals, Currency, £651121	744200	207908	114327		

\* Last year included £6340 3s. 3d., Surplus Postage Revenue of Canada, for 1850.

## TRADE AND NAVIGATION RETURNS FOR 1853.

### CANALS.

The subjoined table shows the business upon all the Canals for the year 1853:

	Welland.	St. Lawrence.	Chambly.	Burlington.	St. Ann's Locks.
Passengers, . . . . .	19,631	43,861	2,953	...	17,805
Tons of Goods, . . . . .	905,516	561,601	113,585	87,858	131,159
Vessels of all kinds, . . . . .	1,075,219	620,399	113,626	327,658	126,204
Tolls, . . . . .	£65,034	£22,108	£2,126	£5,625	£919

The "movement" up and down upon the several canals for a series of years has been as follows, viz.:

Welland Canal.—Tonnage of property in 1850, 399,600; in 1851, 691,627; in 1852, 743,000; in 1853, 905,516. Tonnage of Vessels in 1850, 587,100; in 1851, 772,623; in 1852, 894,193; in 1853, 1,063,624.

St. Lawrence.—Tonnage of Property in 1850, 288, 103; in 1851, 450,400; in 1852, 492,575; in 1853, 561,601. Tonnage



In 1850, 473,600; in 1851, 481,100; in 1852, 500,221; in 1853, 510,168.

*St. Ann's Locks.*—Tonnage of goods in 1850, 50,830; in 1851, 105,923; in 1852, 99,054; in 1853, 137,159. Tonnage of vessels in 1850, 124,302; in 1851, 102,407; in 1852, 108,640; in 1853, 120,304.

The falling off on the Burlington is owing to the discontinuance of a line of steamers to Montreal.

The number of passengers passing over all the canals during the series of years from 1848 to 1853, both inclusive, is as follows: In each year, viz.: 24,028; 37,908; 39,005; 54,155; 63,600; 84,989.

The increased movement of property on the canals is stated thus: On the Welland, increase from '52 to '53, 21.8 per cent.; increase from '48 to '53, 194.36 per cent. St. Lawrence, from '52 to '53, 32.18 per cent.; from '48 to '53, 200.3 per cent. Chambly, from '52 to '53, 20.7 per cent.; from '48 to '53, 50.3 per cent. Burlington, from '52 to '53, 16.5 per cent.; from '50 to '53, 59.7 per cent. St. Ann's, from '52 to '53, 36.9 per cent.; from '50 to '53, 126.7.

The average annual increase on the movement on the Welland, St. Lawrence, and Chambly Canals, from 1848 to 1853 is about 33.1 per cent.; and the increase on all the canals from '52 to '53 is 27 per cent.

The net revenue, after deducting cost of lock-tenders, collectors, &c.—but not repairs—of all the canals for a series of years—was, in 1847, £41,132; '48, £30,815; '49, £48,033; '50, £35,110; '51, £63,339; '52, £60,302; '53, £79,494.

The charges for collection have increased rather faster than the gross revenue, the latter being in '47, £60,031, and in '53, £95,514; and the former in '47, £8,999, and in '53, £16,310.

The entire revenue from rents and tolls on all the canals in 1853, was £108,087; the total charges, including repairs, £41,752; and the total net revenue, £66,335.

Imports.—The total value of imports in three years, were: 1851, £5,358,607; 1852, £5,071,025; 1853, £7,095,550. Of these, in 1853, the free goods were £445,970, and the dutiable goods, £7,547,581.

The goods imported by the St. Lawrence, including those entered in the Upper Canadian ports in the year 1853, were £4,555,074, and in transit for the United States, £201,891, making a total of £4,817,065, showing that the importations from the United States and from Europe, via the United States, were £2,178,204.

The proportion of imports from various countries is shown in the following table:

ARTICLES.	EXPORTS.		TO WHAT COUNTRY EXPORTED.				
	Value.	Great Britain.	BRITISH COLONIES.		United States.	Foreign Countries.	
			Australia.	N'th America.			
Produce of the Mine, . . . .	£27,330 3 2	8440 0 0	15072 11 4	18800 3 3	42770 11 11		
“ “ Sea, . . . .	85000 13 8	8801 15 0	6466 5 2	65254 4 7	9673 3 7		
“ “ Forest, . . . .	2355255 2 2	1682125 12 1	4445 16 11	41926 10 3	261713 4 4		
Animals and their produce, . .	342621 7 0	38991 3 8	273068 16 7	121984 14 4	4 0 0		
Veg-table Food, . . . .	1995094 15 0	502160 4 8	124 0 0	23383 17 11			
Other Agricultural Products, .	26618 17 11	2061 0 0	380 0 0	6891 5 8	29357 13 4		
Manufactures, . . . .	35106 9 0	877 10 0	220 0 0	1566 6 11	11320 0 4		
Other Articles, . . . .	15823 11 3	1707 4 0					
Add for ships built at Quebec, during the year—say, 40615 tons, at £12 10s. per ton, . .	4882860 10 11	2246164 9 4	5045 16 11	315116 7 11	2234005 10 1	52147 15 6	
Total value of Exports, as reported, . . . .	5503057 9 11	2866351 19 4	5045 16 11	345116 7 11	2234005 10 1	52147 15 6	
Great Britain, . . . .		£2407980	£3015033	£2607783	£4622200		
North American Colonies, . . .		96404	109224	120258	158164		
West Indies, . . . .		1112	3400	1278	800		
United States, . . . .		1648715	2091441	2119423	2345536		
Other Foreign Countries, . . . .		91301	142574	102809	288507		
Brought forward, . . . .					5503057 9 11		
To the value of Exports from Inland Ports, add 20 per cent. . . . .					447268 5 0		
Grand Total of Exports, . . . .					£5950325 15 0		
The grand total of exports for three years were: 1851, £3,452,651; 1852, £3,826,091; 1853, £5,950,325.							
IMPORTS AND EXPORTS VIA THE ST. LAWRENCE.							
Imports, . . . .	£4555074 2 9						
Goods in transit for United States, . .	261991 0 4						
Exports, . . . .	3208900 19 2						
Value of Ships built at Quebec, . . . .	620187 10 0						
Total value of Imports and Exports via the St. Lawrence, . . . . .	£8706213 12 3						
The exports at the six principal ports in the year 1850 and 1853 were as follows: Quebec, 1850, £1,297,523; 1853, £2,443,457. Montreal, 1850, £436,193; 1853, £883,722. Toronto, 1850, £67,557; 1853, £221,430. Hamilton, 1850, £88,222; 1853, £206,719. Dalhousie, 1850, £79,528; 1853, £182,188. St. Johns, 1850, £303,959; 1853, £161,109.							
The imports at the six principal ports in 1850 and 1853 were: Montreal, 1850, £1,726,356; 1853, £3,381,539. Toronto, 1850, £34,722; 1853, 1,805,056. Quebec, 1850, 494,139; 1853, 1,141,544. Hamilton, 1850, 395,782; 1853, 886,377. Kingston, 1850, 87,562; 1853, 212,348. Stanley, 1850, £38,849; 1853, 131,067.							
Thus, it appears that for exports the ports take rank thus: Quebec, Montreal, Toronto, Hamilton, Dalhousie, St. Johns; and for imports, Montreal, Toronto, Quebec, Hamilton, Kingston, and Stanley. In exports, Quebec has made the largest absolute and Toronto the largest relative							

Hence, it appears, that the greatest increase has taken place under the head of other foreign countries, amounting from 1850 to 1853 to £177,204, or 170 per cent. The next greatest increase is in the imports from Great Britain, amounting from 1850 to 1853 to £2,214,300, or 90 per cent.; the next is in those of the United States, amounting in the same period to £1,298,821, or 78 per cent.; and the next is in those from the North American Colonies, amounting to £61,760, or 64 per cent. It is a noticeable fact, that, whereas the imports from Great Britain fell off from 1851 to 1852 by £344,250, while those from the United States increased by £27,982; from 1852 to 1853, while the imports from the United States increased only by £826,113, those from Great Britain increased by £1,954,497.

The duties have gone on in the following manner: Gross collection in 1850, £615,694; in 1851, £727,439; in 1852, £739,203; in 1853, £1,028,676. The net revenue last year from duties was £986,507, for the charges have been kept down to a rate only a little in excess of that of 1850. In 1850, these, including returned duties, were £34,562, and in 1853, was £43,184; and out of this augmentation, the returned duties had increased by £1,000.

Exports.—In 1853 the total exports were as follows:—stated in value, and distinguishing the countries to whence they were shipped, viz.:

Value Exports from Quebec, £243457	10 0
“ “ “ Montreal, 746050	8 0
“ “ “ Gaspe, 32667	19 11
“ “ “ N. Carlisle, 29942	14 6
“ “ “ Amherst, 14597	1 6

Total value of Exports from Sea Ports, . . . .	3266716 2 11
“ “ “ Inland Ports, . . . .	2236341 7 0
	5503057 9 11

advanced absolutely.

The toll and in 18 or 37 per cent. 1,434,508 470 were.

Arrived parted from Arrived parted from The ton follows, to British, 31,622; Pr March, 14, 1,391. At 1,485 tons.

Seat of C olley St ate Secr Fauslaw.

Executive Hon. Mich Law M. V Receiver C rary; I Stephen P Clerk of Province Provincial Receiver Clerk—Edy Crown Z General; D W. Nutting General A cal; C. H. Account B Henry Drisc Messenger; ter Carriers Financial Samuel Cree Queen's J A. J. Ritch

Hon. Mich " Wm. " Robert " John " Hugh " Staley " Alex. " M. B. " Edwin

Halifax, J. Colechester, McLeh

Cumberland Pictou, J. I. Hants, B. S. Kings, D. M. Annapolis, Digby, Fra Lunenburg Queen's, S. Shoburne, Yarmouth, Sydney, H non. Guysborough ball.

Albion Min Amherst, J. Annapolis, Antigonish

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In the year 1850  
£1,297,523; 1853,  
1853, £883,722

Hamilton, 1850,  
1,479,528; 1853,  
3, £161,109.

n 1850 and 1853  
3,381,539, Toron-  
; 1850, 494,139;  
; 1853, 886,377.

Stanley, 1850,  
ports take rank  
Hon, Dalhousie,  
Toronto, Quebec,  
ports, Quebec has  
largest relative

advance in imports, Montreal has made the largest advance absolutely, and Hamilton relatively.

The total exports and imports in 1852 were, 8,808,527; and in 1853, 15,945,684, making an increase of 5,947,157, or 57 per cent.

Shipping.—Entered inwards, including inland ports, 4,34,508 tons; outwards, 4,307,176 tons; of which 2,392,279 were foreign and 6,050,465 British.

Arrived at Quebec, 1,351 vessels of 570,728 tons. Departed from Quebec, 1,406 vessels of 593,567 tons.

Arrived at Montreal, 252 vessels of 5,712 tons. Departed from Montreal, 255 of 59,902 tons.

The tonnage of the several nations for both ports was as follows, taking arrivals only, viz.:

British, 692,642; United States, 37,763; Norwegians, 31,622; Prussian, 9,741; Swedish, 1,543; Dutch, 612; Hamburg, 1,491; Bremen, 323; Spanish, 233; Portuguese, 1,391. Among the clearances, we notice for Portugal, 1,485 tons; Spain, 191 tons; Australia, 1,432 tons.

The total number of tons of shipping entered from sea, were in 1851, 581,695; 1852, 541,141; 1853, 622,570. On the inland waters, the total tonnage entered inwards, was 3,821,989, and the total outwards, 3,648,323.

The ships built in the Province during 1853, are put down at two steamers and 136 sailing vessels of an aggregate tonnage of 59,070. Of these Quebec built 50 of 49,541 tons, or nearly 900 tons each; and the value of ships exported from Quebec is stated to have been in 1851, 49,550; 1852, 262,000; 1853, 620,187.

Distilleries.—Canada East, 1850, 11 stills, 79,914 gals.; in 1851, 11 stills, 206,129 gals.; in 1852, 7 stills, 443,111 gals.; in 1853, 10 stills, 589,012 gals. Canada West.—In 1850, 152 stills, 1,988,198 gals.; in 1851, 138 stills, 2,002,512 gals.; 1852, 128 stills, 2,052,872 gals.; in 1853, 129 stills, 2,145,680 gals. Total gallons in 1850, 2,068,112; in 1852, 2,728,692.

Revenue from stills and whiskey in 1850, 10,247; 1851, 10,947; 1852, 11,749; 1853, 12,759.

## PROVINCE OF NOVA SCOTIA.

Seat of Government, Halifax. Lieut. Governor, His Excellency Sir JOHN GASELARD LE MARCHANT, Knight. Private Secretary, E. E. Rushworth. Aldeide-Camp, Lieut. Fanshawe.

Executive Council.—Hon. Wm. Young, Attorney General; Hon. Michael Tobin, President Legislative Council; Hon. Lewis M. Wilkins, Provincial Secretary; Hon. Jas. McNab, Receiver General; Hon. Samuel Crehman, Financial Secretary; Hon. Wm. A. Henry, Solicitor General; Hon. Stephen Fulton, Hon. James McLeod.

Clerk of the Council.—Hon. Lewis M. Wilkins. Provincial Secretary's Office.—Hon. Lewis M. Wilkins, Provincial Secretary; W. H. Keating, Deputy Secretary.

Receiver General's Office.—Hon. James McNab, Receiver General; Edward Duckett.

Crown Law Department.—Hon. Wm. Young, Attorney General; Hon. Wm. A. Henry, Solicitor General; James W. Nutting, Esq., Clerk of the Crown.

General Post Office.—Arthur Woodgate, Postmaster General; C. H. Hamilton, Chief Clerk; Fred. M. Papou, Clerk Account Branch; Wm. Small, J. M. Inglis, Hugh Kerr, Henry Driscoll, Clerks Inland Office; Godfrey M. Schwartz, Messenger; Wm. Craig, Alex. Church, George Craig, Letter Carriers.

Financial Secretary's Office.—Financial Secretary, Hon. Samuel Crehman; Clerk, David McCulloch.

Queen's Printer.—Wm. Annand, Esq.; Assistant, ditto, A. J. Ritchie.

Commissioners for constructing Railways.—Hon. Joseph Howe, Chairman; Hon. Jonathan McCully, Wm. Fryer, Jr., J. H. Anderson, P. M. Cunningham, Thos. J. Tobin, Clerk—John Morrow, Chief Engineer—Jas. R. Ferman.

Crown Lands Department.—Hon. J. B. Unlace, Commissioner of Crown Lands; Wm. A. Hendry, Deputy Commissioner.

Public Works Department.—Hon. H. Bell, Chairman; Hon. S. Cunard, and Wm. Murdoch, Esq., Members of the Board. Secretary and Superintendent.

Customs Department.—H. Trew, Controller of Customs and Navigation Laws.

Militia Department.—Adjutant General, Lieut. Colonel Edw. Wallace, (unatt'd) Quarter Master Gen'l — Major of Brigade, Middle District, Major the Hon. Michael Tobin, (unatt'd); Judge Advocate General, Andrew M. Unlace, Esq.; Paymaster General, —

Educational.—Hugh Monro, Esq., M.P.P., Inspector of Schools of Eastern District; C. D. Randall, Esq., Inspector of Schools of Western District.

Judiciary.—Hon. B. Halliburton, Chief Justice; Hon. A. Stewart, Master of the Rolls and Judge of Vice Admiralty Court; Hons. W. B. Bliss, T. C. Halliburton, E. M. Bold, and W. F. De Barros, Judges of the Supreme Court; Hon. Wm. Young, Attorney General; Hon. Wm. A. Henry, Solicitor General; J. W. Nutting, Prothonotary and Clerk of the Crown.

## LEGISLATIVE COUNCIL.

Hon. Michael Tobin, Presid't, Halifax.

" Wm. Rudolf, Lunenburg.

" Robert M. Cutler, Lunenburg.

" John Morton, Kentville.

" Hugh Bell, Halifax.

" Stayley Brown, Yarmouth.

" Alex. McDougall, Antigoneste.

" M. B. Abmon, Halifax.

" Edward Kenny, Halifax.

Hon. Jas. D. Harris, Kentville.

" Alex. Keith, Halifax.

" Wm. A. Black, Halifax.

" David Crichton, Pictou.

" Henry G. Pines, Pugwash.

" John E. Fairbanks, Dartmouth.

" Jas. McNab, Halifax.

" Jonathan McCully, Halifax.

" Wm. Grigor, M.D., Halifax.

Hon. Wm. McKeen, Mabon.

" R. A. McEliffy, Windsor.

Permanent Officers.—Venble Arch-  
duson Willis, D.D., Chaplain; John  
C. Halliburton, Clerk; John W. Ritchie,  
Law Clerk; J. J. Sawyer, Gent. Usher  
of the Black Rod.

## HOUSE OF ASSEMBLY.

Hon. STEWART CAMPBELL, Speaker.

Cape Breton, D. A. McQueen.

Victoria, H. Munro, J. Munro.

Inverness, Hon. W. Young, P. Smyth.

Richmond, Jas. B. Unlace.

Halifax, (City) L. O'C. Doyle, B. Weir.

Colchester, (North District) J. Camp-  
bell.

Colchester, (South District), Hon. S.  
Crehman.

Amherst, W. W. Bent.

Pictou, (Town) Martin J. Wilkins.

Windsor, Hon. Lewis M. Wilkins.

Newport, Ichabod Dimock.

Falmouth, E. Young.

Cornwallis, S. Chipman.

Horton, Ed. L. Brown, M.D.

Granville, Stephen S. Thorn.

Annapolis, Alfred Whitman.

Digby, J. C. Wade.

Clare, Anselm F. Comeau.

Yarmouth, Jesse Shaw.

Argyle, John Ryder.

Shelburne, J. Locke.

Barrington, Josiah Coffin.

Liverpool, (Town) A. Cowie.

Lunenburg, " H. S. Jost.

Sydney (C. B.) " Hon. J. McLeod.

Arichat (C. B.) " Henry Martell.

Permanent Officers.—Jes. Whidden,  
Clerk; Henry C. D. Twining, Clerk  
Assistant; Rev. J. T. Twining, D.D.,  
Chaplain; G. H. Grassie, Sergeant-at-  
Arms; Phillip Brown, Assistant Ser-  
geant-at-Arms.

## POST OFFICES IN NOVA SCOTIA.

Arichat, H. McDonald.

Aylesford, J. D. Van Buns Kirk.

Baddock, C. B., W. Kidston.

Barrington, J. O. Geddes.

Bridgetown, Thos. Shurr.

Brizgewater, A. Morse.

Canso, Geo. Norris.

Chester, A. Lovett.

## POST OFFICES IN NOVA SCOTIA—continued.

Clement's Port, Moses Shaw.  
Digby, H. Stewart.  
Durham, A. Cameron.  
Granville, B. Reid.  
Guysboro', W. Cutler.  
Hants Port, A. J. Harris.  
Kentville, J. F. Hutchison.  
Lawrence Town, S. Chipman.  
Liverpool, S. P. Calkin.  
Londonderry, J. Campbell.  
Locks Island, X. Chipman.  
Lower Horton, J. Borden.  
Lower Stewiacke, W. Holdsworth.  
Lower Musquodoboit, S. L. Henry.  
Lunenburg, W. Rudolf.  
Maitland, A. Roy.

Mahone Bay, H. Knaut.  
Middle Musquodoboit, R. A. Kaulback.  
New Glasgow, J. Fraser.  
Newport, J. E. Cochran.  
North Sydney, C. A. Martin.  
Parrsboro', P. Blake.  
Pictou, A. S. Ross.  
Plaister Cove, J. G. McKeen.  
Port Hood, J. D. Tremblain.  
Port Medway, E. Cohorn.  
Pugwash, L. Borden.  
River John, A. Archibald.  
River Phillip, G. Phillips.  
St. Margaret's Bay, W. E. Brine.  
Shelburne, R. R. Thompson.  
Sherbrooke, A. McDonald.

St. Peter's, G. T. Handley.  
Sydney, Robt. Martin.  
Sydney Mines, D. G. Rigby.  
Shubenacadie, F. R. Parker.  
Tatamagouche, J. Lombard.  
Truro, John Ross.  
Wallace, J. Henstis.  
Walton, C. R. Allison.  
Weymouth, C. P. Jones.  
West River, W. Munroe.  
West Port, T. Bancroft.  
Windsor, D. E. Geldert.  
Wilmot, A. Gilbon.  
Wolfville, W. Johnson.  
Yarmouth, H. G. Farrish.

## PROVINCE OF NEW BRUNSWICK.

Seat of Government, St. John; Lieutenant-Governor, His Excellency The Hon. J. H. MANNERS SUTTON; Private Secretary, G. T. M. Campbell, Esq.  
*Executive Council*.—Senior Member, Hon. E. B. Chandler; Clerk, John C. Allan, Esq.  
*Legislative Council*.—President, Hon. William Black; Clerk, George Botsford, Esq.  
*House of Assembly*.—Speaker, Hon. Paul Harrington; Clerk, Charles P. Wetmore, Esq.  
Provincial Secretary, Hon. J. R. Partelow; Surveyor-General, Hon. R. D. Wilmut; Prov'l Treasurer, Beverley Robinson, Esq.; Receiver-General, Hon. Thomas C. Lee;

Auditor-General, Hon. F. P. Robinson; Comptroller of Customs, St. John, Alex. Grant, Esq.; Superintendent of Schools, M. D'Avray, Esq.; Chief Justice, Hon. James Carter; Puisne Judges, Hon. W. Parker, R. Parker, G. F. Sheet, and L. A. Wilmut; Attorney-General, Hon. John A. Street; Solicitor-General, Hon. W. B. Kinnear; Advocate-General, Wm. Wright, Esq.; Clerk of the Crown, Andrew Barberle, Esq.; Clerk of the Pleas, William Carman, Esq.; Clerk of the Circuits, Hon. J. S. Saunders; Register in Chancery, D. L. Robinson, Esq.; Registrar in Vice-Admiralty Court, John M. Robinson, Esq.; Mayor of Fredericton, John C. Allen, Esq.; Mayor of St. John, James Olive, Esq.

## POST OFFICES IN NEW BRUNSWICK.

Andover, Benjamin Beveridge.  
Bide Verte, Stephen Gordon.  
Bathurst, Thomas Carman.  
Bend of Petticoadie, Joseph Crandall.  
Campbellton, James S. Morse.  
Campo Bello, Bernard Gallagher.  
Chartham, James Cale.  
Colebrook, Abijah W. Raymond.  
Dalhousie, George B. Cowper.  
Dorchester, Charles Godfrey.  
Edmundston, John Hodgson.

Fredericton, Andrew S. Phair.  
Gagetown, William F. Bonnell.  
Hampton Ferry, Henry Hallatt.  
Harvey, J. E. Upham.  
Hillsborough, Richard Steeves.  
Kingston, Samuel Foster.  
Memramcook, Silas Charters.  
Mill Town, James Bowes.  
Newcastle, Edward Williston.  
Orumocto, John McPherson.  
Richibucto, John Gifford.

Sackville, Christopher Milner.  
Salisbury, George Pitfield.  
Shediac, Edward Smith.  
Sheffield, James Hamilton.  
St. Andrews, George F. Campbell.  
St. George, John Wallace.  
St. Martins, John Foster.  
St. Stephens, David A. Rose.  
Sussex Vale, Hugh McMonayle.  
Upper Mills, Albert Robinson.  
Woodstock, James Grover.

## LIST OF WAY-OFFICES IN NEW BRUNSWICK.

Aroostook, George Cox.  
Baker's Creek, Prudent Gagnon.  
Barachois, Thomas Gulong.  
Barthurst Village, John McAllister.  
Bide du Vin, Alex. Williston.  
Bay Side, Frederick W. Bradford.  
Bear Island, Lewis Huestis.  
Beckazumineak, William S. Nevins.  
Belle Dune, John Chalmers.  
Belleisle Bay, James Lake.  
Bellyue Village, John W. Chapman.  
Black River (Northumberland Co'y), William McNaughton.  
Black River (St. John Co.), W. Hawkes.  
Blackville, Simon Bean.  
Blissville, John Deantillon.  
Blissfield, Timothy Coleman.  
Boisbec, James McLaughlan.  
Boistown, Miles McMillan.  
Boundary Presqu' Isle, Richard Clarke.  
Buctouche, Charles J. Smith.  
Butternut Ridge, W. H. Keith.  
Caledonia Settlement, S. Bennett.  
Canning, James R. Curry.  
Cape Tormentine, Collin Vanbuskirk.  
Caraquet, George Blackhall.  
Carleton, George F. Harding.  
Coal Mines, Henry C. Babbit.  
Coazeno, James Long.  
Coddstream, Samuel Dickenson.  
Coverdale, William Smith.  
Creek Road, Amos Keith.  
Cross Roads, Wm. M. Cassidy.  
Curry Ville, John Beaumont.  
Dawson Settlement, Isaac Dawson.  
Douglas Harbor, \* \* \* \*  
Douglastown, Richard Hutchison.  
Dover, William Beattie.  
Dumbarton, George Wilson.  
Dumfries, Solomon Howe.  
El River, Henry Jones.

Elgin, Joseph Robinson.  
Emigrant Settlement, Ephraim Ward.  
Finger Board, Joseph Douglas Baxter.  
Flatlands, Archibald McKenzie.  
Flowers' Cove, John Maynard.  
Fox Creek, Philip Burke.  
French Village, Caleb J. Stewart.  
Gardner's Creek, John Wallace.  
Gaspereaux, George Dunn.  
Geary, William Smith.  
Germantown, William Fillemore.  
Goshen, James Stevens.  
Grand Ance, Francis Le Gresley.  
Grand Manan, Joseph Lakeman.  
Grand River, Edwin A. Kerby.  
Great Shemogue, \* \* \* \*  
Greenfield, \* \* \* \*  
Hammond River, Washington Alden.  
Hamptstead, William Dunn.  
Hardwicke, Robert Noble.  
Harvey, Thomas Cockburn.  
Head of L'Etang, Simon McCarroll.  
Head of Petticoadie, James Price.  
Hopewell Corner, Owen Anderson.  
Hopewell, "The Cape," M. B. Palmer.  
Hopewell, "The Hill," Wm. Hallitt.  
Indian Town, John B. Andrews.  
Jacksonstown, Christopher Graham.  
Janeville, Hugh A. Caie.  
Jollicure, James W. Oulton.  
Kennebecasis Bay, Wm. Rattray.  
Kingsclear, George A. Hammond.  
Kingston, John W. Holderness.  
Konebonguac, William S. Caie.  
Lepreaux, Bela R. Lawrence.  
Little Beach, William Fownes.  
Little River, Moses Cockburn.  
Little Rocher, Converse Richardson.  
Little Shemogue, Thomas Oulton.  
Loch Leonard, John Jordan, jun.  
Londonderry Settlement, Jas. Douglas.

Long Creek, David Lawson.  
Lower Brighton, Benjamin Noble.  
Lower Coverdale, Milledge Steeves.  
Lo'r Hillsborough, Nehemiah Bennett.  
Lower Newcastle, David Goodfellow.  
Ludlow, John Nelson.  
Macataque, Daniel Jewett.  
Madawaska, Peter C. Armeiaux.  
Madisco, John Woolner.  
Maguadavie, Solomon Vail.  
Maple Green, James Fraser.  
Manganville, Thomas Lindsay.  
Mechanics' Settlement, Alex. Moore.  
Middle Simonds, Thomas Bond.  
Mill Cove, Chas. W. Cox.  
Millstream, John H. Ryan.  
Moncton, M. D. Harris.  
Mount Whatley, Edward Carter.  
Mouth of Keswick, Joseph Hallatt.  
Mouth of Millstream, T. R. Burgess.  
Mouth of Nerepis, John M. Nase.  
Munquart, Murphy Gibberson.  
Murray's Corner, Pinguey Murray.  
Musquash, G. C. Carman.  
Naaswaak, Patrick W. Campbell.  
Naaswaaksis, David C. Parent.  
Naaswaak Village, John L. Fletcher.  
Nelson, Thomas McKie.  
New Bandon, William Southwood.  
New Canaan, Benjamin Keith.  
New Jerusalem, Samuel Mahood.  
New Mills, Donald McAllister.  
Northampton, Hugh Gibson.  
North Esk Boom, James Hutchison.  
North Joggins, Rufus Cole.  
Norton, John Hayes.  
Oak Bay, Henry Polley.  
Oak Point (K. Co.), Jas. L. Flewelling.  
Oak Point (Northumb. Co.) A. Davidson.  
Petersville, Edward J. Lyons.  
Pisanoir, Thomas Gilbraith.

## WAY-OFFICES IN NEW BRUNSWICK—continued.

Pockmonche, Thomas Hardinge.  
 Pollett River, Benjamin R. Colpits.  
 Poquicoek, Thomas Temple.  
 Port Elgin, John Monroe.  
 Presqu' Isle, Thomas Johnston.  
 Prince William, John Hea.  
 Quaco Road, William Beattie.  
 Red Bank, Michael McKindrick.  
 Richmond, Thomas Currie.  
 River de Chute, Henry Baird.  
 Rusagornis, Thomas H. Smith.  
 Salmon River (Q. Co's) C. Kierstead.  
 Salmon River (St. John County), R. B. Patterson.  
 Salt Springs, Robert Lockey.  
 Seely's Mills, Robert Morrison.  
 Sheepody Road, Weedon Fowler.  
 Shipplagan, Thomas S. Baldwin.

Simonds, Stephen G. Burpee.  
 Smith's Creek, James E. White.  
 Smith's Town, Ebenezer Smith.  
 Southampton, Thomas C. Atherton.  
 South Bay, Joseph Boggs.  
 South Br. Kennebecensis, Dan. Godard.  
 South Branch, Oranecto, C. Flowers.  
 Springfield, Malcolm King.  
 Spruce Lake, Edward Stapleton.  
 Stanley, James Malone.  
 St. Basil, Thomas D. Ryan.  
 Sussex Portage, William L. Teakles.  
 Tabisintar, Roderick McLeod.  
 Taylor Village, Charles Taylor.  
 Ten Mile Creek, John S. Parker.  
 Tracadie, James Young.  
 Upham, Isaac A. Dodge.  
 Upper Bay du Vin, William Dickins.

Upper Brighton, Wm. B. Thompkins.  
 Upper Kent, George Milberry.  
 Upper Queensbury, Israel Atherton.  
 Upper Sackville, Edwin Ayer.  
 Upper Smith's Creek, Wm. Mace.  
 Upper Southampton, John S. Patterson.  
 Upper Sussex, John McLeod, jun.  
 Upper Wicklow, George Milberry.  
 Upper Woodstock, Wm. Woodworth.  
 Victoria, George B. Boyer.  
 Webster's Creek, John Keaton.  
 Westcock, Thomas Lyons.  
 Westmorland Point, Thos. E. Oulton.  
 Wickham, Robert Golding.  
 Wicklow, John H. Estey.  
 Williamstown, W. D. Estey.  
 Wood Point, Stephen Barnes.  
 Young's Cove, Robert Snodgrass.

Comptroller of  
 Superintendent of  
 ce, Hon. James.  
 R. Parker, G. F.  
 ul, Hon. John A.  
 near; Advocate  
 Crown, Andrew  
 n Carman, Esq.;  
 ers; Register in  
 a Vice-Admiralty  
 recorder, John  
 Olive, Esq.

*General Post Office.*—John Howe, Esq., Postmaster-General; W. W. Barnard, Cashier; W. D. French, Chief Clerk; V. B. Hutchison, 2nd do.; H. C. Frink, 3rd do.; K. J. Leavitt, 4th do.; T. B. Allan, 5th do.; F. H. Fowler, 6th do.; John Langrill, Office Keeper; John Leitch, 1st Letter Carrier; James Leitch, 2nd do.

## PROVINCE OF PRINCE EDWARD'S ISLAND.

Seat of Government, Charlottetown. Lieut. Governor, His Excellency, SIR ALEXANDER BANNERMAN, Knt.  
*Executive Council.*—Hon. Francis Longworth, Colonial Secretary; Hon. Edward Palmer, Attorney General; Hon. John Myrie Hall, Donald Montgomery, James Harron Courty, R. McAuley, Emanuel McEachern.

*Clerk of the Council.*—Charles Desbrisay.  
*Legislative Council.*—Donald Macdonald, President; Rev. Dr. Jenkins, Chaplain; Chas. Desbrisay, Clerk; Hon. E. Whelan, Printer; Henry Palmer, Sergeant-at-Arms and Usher of the Black Rod.  
*Postmaster General.*—Thomas Owen.

## HOUSE OF ASSEMBLY.

CONSTITUENCIES. NAMES.  
*King's County.*  
 First District, W. Cooper, J. McIntosh.  
 Second District, Hon. E. Wheeler, J. Dingwall.  
 Third District, J. Wightman, Hon. E. Thornton.  
 Georgetown, A. McDonald, Thomas H. Haviland.

CONSTITUENCIES. NAMES.  
 Charlottetown, Hon. E. Palmer, Hon. F. Longworth.  
*Queen's County.*  
 First District, Hon. G. Coles, A. Land.  
 Second District, W. McGill, R. Mooney.  
 Third District, W. Dour, D. Montrose.  
*Prince County.*  
 First District, Hon. Jas. Warburton, James Leo.

CONSTITUENCIES. NAMES.  
 Second District, Stanislaus Perry, W. Clark.  
 Third District, Hon. W. Lord, James Muirhead.  
 Prince Town, Hon. J. H. Haviland, Hon. D. McGonery.  
*Clerk.*—John McNeil.

## POST OFFICES IN PRINCE EDWARD'S ISLAND.

General Post Office, Charlotte Town.  
 Thomas Owen, Postmaster General.  
 Anderson's Road, Patrick Murphy.  
 Bay Fortune, W. Underhay.  
 Barrett's Cross, W. Glover.  
 Beliveau, Colin McLaund.  
 Belfast, Joseph A. Rinson.  
 Bonshaw, John Garvie.  
 Brackley Point, James Auld.  
 Cape Traverse, Hector Campbell.  
 Casumppe, Alex. Meggerson.  
 Cavendish, Daniel McNeil.  
 Core Head, Jas. Shaw.  
 De Sable, Colin Holmes.  
 Fairfield, Patrick Kavenugh.

Fort Augustus, Francis Kelly.  
 George Town, Martin Byrne.  
 Kildare, Henry W. Heale.  
 Lot 7, Martin Holleran.  
 Lot 11, James Kilbude.  
 Lot 16, James Lysle.  
 Lot 47, Alexander McVain.  
 Lot 67, John McKay.  
 Mount Pleasant, A. Egan.  
 Murray Harbor, John Dalziel.  
 New Glasgow, Andrew Nesbet.  
 New London, D. McIntyre.  
 Orwell, Donald McLeod.  
 Park Corner, William Cousins.  
 Port Hill, James Crasswell.

Prince Town, John Campbell.  
 Quagmore, John Ayres.  
 Rustico, John Farrelough.  
 Saint Eleanors, James J. Frasier.  
 Saint Margarets, Donald McDonald.  
 Saint Peters, John Jardine.  
 Saint Peter's Bay, John Sutherland.  
 Sources, Jas. McFarlane.  
 Summerside, Patrick Pomer.  
 Tiguish, William Hubbard.  
 Traveller's Rest, John Townshend.  
 Tryon Reeve, Thomas Hookins.  
 Vernon River, Matthew Redmond.  
 West Cape, James Kinley.  
 White Sands, Wm. Bell.

## PROVINCE OF NEWFOUNDLAND.

Seat of Government, St. John's; Governor, His Excellency KER BAILEY HAMILTON, Esq.; Private Sec'y, Aide-de-Camp, Lieut. S. B. Kekewich.

*Executive and Legislative Council.*—Hon. Major William Robinson, Commanding Royal Engineers, Commandant; E. M. Archibald, Attorney General; J. Crowley, Colonial Secretary and Clerk of Council; W. B. Row; W. Thomas; J. Noad, Surveyor-General; C. F. Bennett; L. O'Brien; T. B. Job; J. J. Grieve.

*Officers of Legislative Council.*—C. Ayre, Clerk; B. Robinson, Master in Chancery; F. R. Renzie, Usher of the Black Rod.

*House of Assembly.*—J. Kent, Speaker. Constituencies: St. John's—J. Kent, R. J. Parsons, P. F. Little; Conception Bay—E. Hanrahan, J. Haywood, J. Bemister, W. Talbot; Trinity Bay—S. March; Bonavista—J. Warren; Fogo—G. H. Emerson; Ferry Land—P. W. Winsor; Placentia and St. Mary's—A. Shea, G. J. Hogsett; Burin—C. Benning; Fortune Bay—H. W. Hoyle.

*Permanent Officers.*—J. Stuart, Clerk; R. Holden, As-

sistant Clerk; J. Little, Solicitor; E. Rendell, Sergeant-at-Arms.

*Colonial Secretary's Office.*—Hon. James Crowdy, Colonial Secretary.

*Treasurer's Office.*—R. Carter, Colonial Treasurer.

*Survey Department.*—Hon. J. Noad, Surveyor-General.

*Crown Law Department.*—Hon. E. M. Archibald, Attorney General; Hon. E. H. Emerson, Solicitor-General.

*Customs Department.*—John Kent, Collector of Revenue.  
*Judiciary.*—Hon. F. Brady, Chief Justice; Hon. A. W. De Barres, and J. Simms, Assistant Judges; C. Simms, Chief Clerk and Registrar of Supreme and Central Court; J. Stark, do. Northern Circuit Court; G. Simms, do. Southern Circuit Court.

*Educational.*—Grants to this Department are expended under the authority of local boards appointed by the Governor.

*Post Office Department.*—W. S. Solomon, Postmaster-General; Martin Shea, First Clerk and Accountant; E. Solomon, Assistant; John Freeman, Messenger & Assorter.

Harbor Grace, Andrew Drysdale.  
 Carbonear, Edmund M. Hanrahan.  
 Bregus, William J. Stentafor.  
 Trinity, A. Buchanan.  
 Bonavista, John Lawrence.

## POST OFFICES IN NEWFOUNDLAND.

Green's Pond, Lorenzo Moore.  
 Fogo, James Fitzgerald.  
 Twillingate, Joseph J. Pearce.  
 Bay Bulls, Martin Williams.  
 Ferryland, John Morey.

Trapassé, John Devereaux.  
 St. Mary's, Hannibal March.  
 Placentia, M. Morris.  
 Burin, Thomas Eirckett.  
 Harbor Briton, Thomas E. Gaden.

## BANKS IN CANADA, WITH THEIR AGENCIES, &amp;c.

PLACES.	NAMES OF BANKS.	OFFICERS.
<i>Barrie</i> . . .	Upper Canada	E. Lally, Agent.
Commercial	S. M. Sandford, Agent.	
<i>Belleville</i> . . .	Upper Canada	A. Holden, Agent.
Commercial	R. Findlay, Agent.	
" . . .	Montreal	Q. McNider, Agent.
<i>Berlin</i> . . .	Upper Canada	George Davidson, Agent.
<i>Bonnamville</i> . . .	Montreal	James Simpson, Agent.
City Bank	Robert Armour, Agent.	
<i>Brantford</i> . . .	B. N. America	C. F. Smithers, Manager.
Montreal	A. Groer, Agent.	
<i>Brockville</i> . . .	Upper Canada	R. F. Church, Agent.
Commercial	Andrew Thomson, Agent.	
" . . .	Montreal	F. M. Holmes, Agent.
<i>Bytown</i> . . .	Upper Canada	R. S. Cassels, Agent.
B. N. America	A. C. Kelly, Agent.	
" . . .	Montreal	P. P. Harris, Agent.
" . . .	Quebec	H. V. Noel, Agent.
<i>Chatham</i> . . .	Upper Canada	George Thomas, Cashier.
Gore	A. Charteris, Agent.	
<i>Chippawa</i> . . .	Upper Canada	James Macklem, Agent.
Colbony	C. H. Morgan, Agent.	
<i>Cornwall</i> . . .	Upper Canada	J. F. Pringle, Agent.
Montreal	W. Mattice, Agent.	
<i>Dundas</i> . . .	B. N. America	William Lash, Agent.
<i>Elora</i> . . .	Upper Canada	
<i>Galt</i> . . .	Gore	John Davidson, Agent.
Commercial	Adam Ainslie, Agent.	
<i>Goderich</i> . . .	Upper Canada	John McDonald, Agent.
Montreal	T. M. Jones, Agent.	
<i>Guelph</i> . . .	Gore	T. Sandilands, Agent.
Montreal	J. McLean, Agent.	
<i>Hamilton</i> . . .	Gore	A. Steven, Cashier.
Upper Canada	Alfred Stow, Cashier.	
" . . .	B. N. America	R. C. Ferguson, Manager.
" . . .	Montreal	Thomas Lee, Agent.
" . . .	Commercial	H. McKinstry, Cashier.
<i>Holland Land</i> . . .	City Bank	A. McMaster, Agent.
<i>Kingston</i> . . .	Commercial	C. S. Ross, Cashier.
Upper Canada	W. G. Hind, Cashier.	
" . . .	B. N. America	S. Taylor, Manager.
" . . .	Montreal	A. Drummond, Agent.
<i>Lindsay</i> . . .	Upper Canada	J. McKibbin, Agent.
<i>London</i> . . .	Upper Canada	James Hamilton, Cashier.
" . . .	B. N. America	George Taylor, Manager.
" . . .	Commercial	J. G. Harper, Agent.
" . . .	Montreal	H. C. Barwick, Agent.
" . . .	Gore	W. W. Street, Agent.
<i>Montreal</i> . . .	Montreal	A. Simpson, Cashier.
" . . .	City Bank	F. McCulloch, Cashier.
" . . .	Du Peuple	B. H. Lemoine, Cashier.
" . . .	Molson's	W. Sache.
" . . .	Upper Canada	James Wenham, Manager.

## FOREIGN AGENTS.

PLACES.	NAMES OF BANKS.	OFFICERS.
<i>London (Eng.)</i> . . .	B. N. America	Head Office.
" . . .	Upper Canada	Glyn, Mills, & Co.
" . . .	Commercial	Joint Stock Bank.
" . . .	Montreal	Glyn, Mills, & Co.
" . . .	Quebec	Glyn, Mills, & Co.
" . . .	City Bank	Glyn, Mills, & Co.
" . . .	Gore	Glyn, Mills, & Co.
<i>Liverpool (Eng.)</i> . . .	Montreal	Bank of Liverpool.
<i>Edinburgh (Sc.)</i> . . .	Upper Canada	British Linen Company.
" . . .	Montreal	British Linen Company.
" . . .	Commercial	Commercial Bank.
" . . .	Gore	Union Bank.
<i>Glasgow (Scot.)</i> . . .	Montreal	British Linen Company.
<i>Dublin (Irel.)</i> . . .	Commercial	Boyle, Son, & Co.
" . . .	City Bank	National Bank of Ireland.
<i>New York</i> . . .	Upper Canada	J. G. King & Sons.
" . . .	B. N. America	Ward & Co.
" . . .	Commercial	Merchants' Bank.

## BANK HOLIDAYS.

Upper Canada.—Queen's Birthday; Christmas Day; New Year's Day; Good Friday; Ash Wednesday, and Easter Monday. L. Canada.—New Year's Day; Epiphany; Annunciation Day; Good Friday; Ascension Day; Corpus Christi Day; St. Peter's and St. Paul's Day; All Saints' Day; Conception Day; Christmas Day and the Queen's Birth Day, also all days appointed by Proclamation for a Solemn Fast, or as a Day of Thanksgiving.



**United Church of England and Ireland.****DIOCESE OF QUEBEC.****DISTRICT OF QUEBEC.**

*Lord Bishop of Quebec*—Right Rev G J Mountain, D D. *Bishop's Official and Examining Chaplain*—Rev Geo Mackie, D D. *Private Sec*—Rev A Mountain, A B.

*Quebec*—Bishop of Quebec, Rector; G Cowell, A M, Chaplain to the Forces; E W Sewell, Holy Trinity; G Mackie, D D, Cathedral District; Gilbert Percy, B A, St Peter's; R G Pless, St Paul's; A W Mountain, Curate; C H Stewart, A B, Assistant Minister Trinity Chapel.

*Point Levy*—J Torrance

*Montmorency Falls*—R R Burrage.

*Valcartier, Lake Beauport, Stoneham*—E C Parkin.

*St. Sylester and St. Giles*—W King

*Leeds*—J Carry

*Upper Ireland, Inverness, and part of Halifax*—H Roo

*Riviere du Loup*—E G W Ross

*East Frampton*—W Merrick, B A

*West Frampton*—R Birch

*Portneuf*, F A Smith

*Bourg Louis*—T Pennefather, B A

*Secretary to Church Society*—W A Adamson, D C L

*Travelling Missionary*—A Allen

*Chaplain to Labourers on the Quebec and Richmond Railroad*—W V Lloyd

**DISTRICT OF THREE RIVERS.**

*Three Rivers*—S S Wood, M A, Rector

*Riviere du Loup and Lake Maskinonge*—N Guenot

*Nicole*—H Burges.

*Drummondville*—G M Ross, Rector.

**DISTRICT OF ST. FRANCIS.**

*Kingsley*—A Balfour

*Shipton*—D Falloon.

*Lennoxville*—L Doolittle, J H Nicolls, M A, J Butler.

*Shirbrooke*—J Hellmuth, D D; W Binet, Assistant

*Eaton*—J Dalziel

*Robinson*—J Kemp

*Orampton*—C P Reid

*Hatley*—H Burrage

*Dudswell*—T S Chapman

**DISTRICT OF GASPE.**

*Gaspe Bay*—W Delanare

*Cape Cove and Mal Bay*—R Short

*Presq*—Vacant

*New Carlisle, Bay Chaleurs, Pasphebie,*

*Hope Town, and Port Daniel*—G Milne, M A

*Magdalen Islands*—F Boyle

**DIOCESE OF MONTREAL.****DISTRICT OF MONTREAL.**

*Lord Bishop of Montreal*—Right Rev Francis Fulford, D D

*Montreal*—Cathedral, Dean, Very Rev J Bethune, D D; Senior Canon, Ven Archdeacon Lower, M A; Junior Canon, Rev S Gilson, M A; Honorary Canons, Rev James Reid, Rev M Townsend, Rev W T Leach, DCL, Rev C Bancroft, M A

Archdeacon of Montreal, Ven H M Lower, M A

Bishop's Chaplains, Venerable Archdeacon Lower, M A, Rev J Scott, M A

Bishop's Secretary, Rev Canon Gilson, M A

*St George's Church*—Rev Canon Leach, D C L; Rev W B Bond, Assistant Minister.

*Trinity Church*—Rev A D Campbell

D

*St Stephen's Church*—J Ellegood, B A.

*St Luke's Church*, Canon Gilson, M A

*Military Chaplain*—Rev E J Rogers

*St Andrew's*—Wm Abbott, Rector

*Sorel*—W Anderson

*Christieville*—J A McLeod

*St John*—C Bancroft, M A, Rector.

*Chamby*—I P White, Rector

*Shefford and Waterloo*—A H Whitten

*St Martin's and St. Therese*—T A Young

*Mascouche and Terrebonne*—R Cornwall

*Henryville*—E D Vernet, B A

*Lachine*—J Flanagan

*Grenville and Oshawa*—C Forest

*Russelltown and Manningville*—J Fulton

*Sabrevois*—D Gavin

*Gore*—J Griffin

*Berthier*—W Merrick, B A

*Sherrington*—H Hazard

*Aylmer and Hull*—J Johnston

*Belford*—J Jones

*Furnham and Brigidie*—Wm Jones

*Frost Village*—D Lindsay

*New Glasgow and Kilkenny*—A D Lockhart.

*Laprairie*—R Lonsdell

*Grandy*—Thomas Machin

*Lacolle*—C Morice

*Buckingham*—W Morris

*Coteau du Lac*—J Mountain, B A

*Huntingford*, F S Neve

*Hemingford*—Gerald de Courey O'Grady, B A

*Fandreville*, J Pyke

*St. Armand East*—J Reid Rector

*Abbotsford and Rougemont*—Frederick Robinson

*Hochelaga*—Rev E J Rogers

*Roxton and Kildare*—C Rollit

*Stanbridge, East*—J Constantino

*Dunham*—J Scott, M A Rector

*Brome and Sutton*—R Lindsay

*L'Acadie*—J E Judd

*Milton*—G Slack

*Clarenceville*—M Townsend, Rector

*St Armand West*—R Whitwell, Rector

*Ormstown*—W Brethour, B A

*St Remi*—E G Sutton

*Oswansville*, John Davidson

*Staleyle*—A F Wetherall.

*Clarendon*—J S Sykes

*Upton*—J Godden

*Sutton*—H Montgomery

**DIOCESE OF TORONTO.**

*Lord Bishop of Toronto*—The Hon and

Right Rev John Strachan, DD, LL.D.

Archdeacon of Kingston, Venerable

Geo O'Kill Stuart, DD, LL.D. Archdeacon of York, Ven A N Bethune,

D D. Examining & Domestic Chaplain and Sec. to the Lord Bishop,

the Rev H J Grasett, B D

**HOME DISTRICT.**

*City of Toronto*—H J Grasett, B D,

Rector and Officiating Chaplain to the Forces; Edmund Baldwin, M A,

Assistant Minister of St James's; J G D Makenzie, B A, Minister of St

Paul's Church; Alexander Sanson, Minister of Trinity Church; Stephen

Lett, LL.D. Minister of St George's Church; Henry Scadding, DD, Minister of Church of the Holy Trinity,

and Chaplain to the Lord Bishop; W S Darling, Assistant Minister of the Church of the Holy Trinity; T S Kennedy, Sec. of the Church Society; J Beaven, D D, Professor of Moral Philosophy and Ethics, Toronto University; George Maynard, M A, Mathematical Master, Upper

Canada College; G Whitaker, M A, Provost of Trinity College; E St John Parry, M A, Professor of Classical Literature; G C Irving, M A, Professor of Mathematics.

*St. Stephen's Church*—J Ellegood, B A.

*St. Luke's Church*, Canon Gilson, M A

*Military Chaplain*—Rev E J Rogers

*St Andrew's*—Wm Abbott, Rector

*Sorel*—W Anderson

*Christieville*—J A McLeod

*St John*—C Bancroft, M A, Rector.

*Chamby*—I P White, Rector

*Shefford and Waterloo*—A H Whitten

*St Martin's and St. Therese*—T A Young

*Mascouche and Terrebonne*—R Cornwall

*Henryville*—E D Vernet, B A

*Lachine*—J Flanagan

*Grenville and Oshawa*—C Forest

*Russelltown and Manningville*—J Fulton

*Sabrevois*—D Gavin

*Gore*—J Griffin

*Berthier*—W Merrick, B A

*Sherrington*—H Hazard

*Aylmer and Hull*—J Johnston

*Belford*—J Jones

*Furnham and Brigidie*—Wm Jones

*Frost Village*—D Lindsay

*New Glasgow and Kilkenny*—A D Lockhart.

*Laprairie*—R Lonsdell

*Grandy*—Thomas Machin

*Lacolle*—C Morice

*Buckingham*—W Morris

*Coteau du Lac*—J Mountain, B A

*Huntingford*, F S Neve

*Hemingford*—Gerald de Courey O'Grady, B A

*Fandreville*, J Pyke

*St. Armand East*—J Reid Rector

*Abbotsford and Rougemont*—Frederick Robinson

*Hochelaga*—Rev E J Rogers

*Roxton and Kildare*—C Rollit

*Stanbridge, East*—J Constantino

*Dunham*—J Scott, M A Rector

*Brome and Sutton*—R Lindsay

*L'Acadie*—J E Judd

*Milton*—G Slack

*Clarenceville*—M Townsend, Rector

*St Armand West*—R Whitwell, Rector

*Ormstown*—W Brethour, B A

*St Remi*—E G Sutton

*Oswansville*, John Davidson

*Staleyle*—A F Wetherall.

*Clarendon*—J S Sykes

*Upton*—J Godden

*Sutton*—H Montgomery

*Etobicoke*—H C Cooper, B A, Rector

*Toronto Township*—Saltern Givins

*York Mills*—R. Mitchele, M A, Rector

*Streetsville*—Rob. J Macgeorge

*Thornhill*—D E Blake, A B, Rector

*Markham*—G S J Hill, Rector

*Newmarket*—S F Ramsey, M A

*Georgina*—William Kitchie

*Brook*—R Garrett

*Whitby*—John Pentland, A B

*Scarboro*—W Belt

*Norway Mills*—James Beaven, D D

*Lloydown*—Henry Bath Osler

*Cainquacousy*—J G Armstrong

**SIMCOE DISTRICT.**

*Barrie and Shanty Bay*—S B Ardagh.

A M, Rector

*Tecumseh*—F L Osler, M A

*West Gwillimbury*—Arthur Hill, B A

*Orillia*—T Bolton, Read

*Penetanguishine*—G. Hallen, B A

*Mono*—J Fletcher, A B

**GORE DISTRICT.**

*Hamilton*—J G Geddes, M A, Rector;

T J M W Blackman, Assist. Minister.

Church of the Ascension—John

Hobden, A M

*Barton*—G A Buell

*Saltsfleet and Bixbrook*—J L Alexander

*Ancaster and Dundas*—W McMurray,

D D, Rector

*Brantford*—J C Usher, Rector

*Mount Pleasant*—E R Stinson

*Wellington Square*—T Greene, A B;

Rector

*Galt*—M Boomer, A B

*Paris*—Charles Ruffan

*Oakville*—Robert Shanklin

*Nassagaweya*—

*Norval*—T W Marsh, B A

Missionaries to the Six Nations Indians

on the Grand River—Abraham Nel-

les, Adam Elliott

**WELLINGTON DISTRICT.**

*Geolph*—A Palmer, A B Rector; E M

Stewart, M A, Assistant Minister

*Elora*—J W Smithurst

*Owen Sound*—A H R Mulholland

*Wilmet*—F Van Linge

*Travelling Missionary*—Francis Tre-

mayne, Jur.

**NIAGARA DISTRICT.**

*Niagara*—T Creon, Rector, Officiating

Chaplain to the Forces

*Grimby*—F J Lundy, D C L, Rector

*Chippewa, Stamford, Queenston, and*

*Drummondville*—W Leeming, Rector;

C L Ingles, B A, Assistant

*Thorold*—T B Fuller Rector

*Fort Erie*—Elliott Grasett, M A Rector

*St Catharines*—A F Atkinson, Rector;

J. Strutt Lauder, Assistant

*Louth*—Alexander Dixon, B A, Rector

*Port Maitland and Danville*—Adam

Townley

*Settlements on Grand River*—B Cud-

more Hill, M A

**TALBOT DISTRICT.**

*Simcoe*—Francis Evans, Rector; Geo

Salmon, Superannuated

**LONDON DISTRICT.**

*London*—B Cronyn, M A, Rector; Henry

Hayward, Assistant

*London Township*—C C Brough, A B,

Rector.

*Port Burwell*—H Bate Jessopp, MA  
*Tyrcornell*, de.—Henry Holland  
*Malahide*—C Brown  
*Port Stanley*—Vacant

## BROCK DISTRICT.

*Woodstock*—Wm Bettridge, PD, Rector,  
J. Chambers, Gibson, Asséant  
*Burford*—C B Pettit, B A  
*Oxford*—Henry Revell, A B  
*Zora*—F D Fauquier

## HURON DISTRICT.

*Goderich*, E L Elwood, M A  
*Bayfield*, R F Campbell, M A  
*Stratford*, Ephraim Patterson  
*Blanchard*, Arch'd Lampman

## WESTERN DISTRICT.

*Sandwich*, E W Dewar, M A  
*Amherstburgh*, F Mack, Rector and  
Officiating Chaplain to the forces  
*Gochester*, F Gore Elliott  
*Chatham*, F W Sandys, Rector  
*Warwick*, J Mockridge, Rector  
*Walspole Island*, Andrew Jamieson  
*Dawn*, de., John Gunno  
*Plympton*, J G R Salter, B A

## NEWCASTLE DISTRICT.

*Cobourg*, A N, Bethune, D D, Rector  
and Chaplain to the Lord Bishop;  
W A Johnson, Assistant.  
*Rice Lake*, J W R Beck  
*Port Hope*, Jonathan Shortt, Rector  
V P Mayerhoffer, superannuated  
*Cheon*, T W Allen, Rector  
*Darlington*, Alexander McNab, D B,  
Rector  
*Charlie*, H. Brent, Rector  
*Grafton and Colborne*, John Wilson  
*Cartwright and Munvers*, W Logan

## COLBORNE DISTRICT.

*Peterborough*, M Burnham, B A, Rector  
*Enily*, Robert Harding  
*Amelon Falls*, John Hickie  
*Norwood*, Asphodel, John Hilton

## VICTORIA DISTRICT.

*Bellefleur*, John Grier, M A  
*Port Trent, Frankfort, de*, W Bleasdel,  
A M

*Rawdon*, F J S Groves

## PRINCE EDWARD DISTRICT.

*Pictou*, W Macaulay, Rector  
*Murray*, J Padfield  
*Marysburgh*, J R Tooko  
*Wallington*, R G Cox

## MIDLAND DISTRICT.

*Kingston*—George O'Kill Stuart, D D,  
Rector; W M Herchmer, M A, As-  
sistant Minister, and Chaplain to  
the Lord Bishop; W David, MA, act-  
ing; R V Rogers, Minister of St.  
James' Church; T H M Bartlett,  
MA, Officiating Chaplain to the  
Forces; W Greig, Minister of St  
Paul's Church; — Minister of St  
Mark's Church, Barriefield; H Mul-  
kins, Chaplain to the Provincial  
Penitentiary

*Trismouth*, F W Dobbs  
*Wolfe Island*, Thomas Bousfield  
*Bath*, W F S Harper, Rector  
*Nipawee*, W B Lauder, A B, Rector  
*Amherst Island*, John Rothwell, A B  
*Canada Longborough and Portland*,  
Paul Shirley  
*Sydenham*, E C Bower

## JOHNSTOWN DISTRICT.

*Brookville*, J. Travers Lewis, A B  
*Elizabeth Town*, W C Clarke  
*Prescott*, Robert Blakey, Rector  
*Kemptville*, H E Plees, Rector  
*Smith's Falls*, J B Worrell  
*Travelling Missionaries*, N Watkins, F  
Tremayne

## BATHURST DISTRICT.

*Perth*, Alexander Pyne, Rector; M  
Harris, superannuated  
*Franktown*, R Lewis  
*Pakenham and Fitzroy*, J A Morris  
*Merrickville*, Ebenezer Morris

## DALHOUSIE DISTRICT.

*Dyltown*, S S Strong, D D, Rector  
*Richmond*, John Flood, Rector  
*March*, Matthew Ker

## EASTERN DISTRICT.

*Cornwall*, Henry Patton, Rector  
*Williamsburgh*, E J Boswell, Rector  
*Osnabrock*, Romaine Rolph  
*Mountain and Edwardsburgh*, J Har-  
ris

## OTTAWA DISTRICT.

*West Hawkesbury*, R L Stephenson

## MANITOULIN ISLAND.

F A O'Meara, LLD.

## Roman Catholic Church.

## DIOCESE OF QUEBEC.

Monsieur, P F Turgeon, Archevêque  
de Québec  
Monsieur C F Baillangeon, Evêque  
de Thio, et Coadjuteur  
Vicaires Généraux, A Mailloux, M  
Chauvin, C Gauvreau, C F Cazeau,  
L J Casault

A F Archevêque, C F Cazeau, Vicairo  
General; J B A Ferland, T Roy, P  
H Harkin, Edm Langevin, Secrétaire  
du Diocèse; J Catellier et R Casgrain,  
sous secrétaires

Université Laval et Séminaire de  
Québec, L J Casault, Sup; A Parant  
Ls Gingras, Leon Gingras, M For-  
gues, Proc; E A Taschereau, E  
Haran, J F Baillarge, Felix Buteau,  
Ed Methot, C Laverdière, O Audet T  
Hamel

Au Collège de Ste Anne, F Pilote, Sup;  
E Richard, G Tremblay, P H Bou-  
chy, H Potvin, A Blanchette, A Pel-  
letier

Cure de Québec, J Auclair  
Vicaires, G F E Drolet, D Racine, et S  
Fafard  
Eglise St Jean, O Paradis, Ant Racine  
St Pierre, James Nelligan, E Bouneau,  
J N Campbell

Ursulines —  
Hotel Dieu, M Lemieux  
A Le François, anc cure  
Chaplain des Sœurs de la Charité, T  
Roy

Chaplain Hospital General, E G Plante  
Ancien Chaplain, L T Bedard  
Cure de St Roch, Z Charest  
Vicaires, J B Z Bolduc, A Ladrière, F  
Glamondin et G Hudon

Hôpital de Marine, J B Z Bolduc  
St Saviour, RR PP Durocher, Pinet et  
Grenier, O M J

La Pointe à Picau et Hopiteaux Mili-  
taires, P H Harkin  
Omgregation des hommes, RR PP G  
Schneider, Sup T G J Beaudry, J B  
Falcour, L Mercier

## ISLE D'ORLEANS.

St Pierre, Joseph Tardif  
St Laurent, J Naud  
St Jean, A Gosselin  
St Francois, T F Desroismaisons  
St Famille, G H Bessier

## COTE DU NORD.

Grondines, G S Derome  
St Ursin, N Guertin  
Deschambault, C E Poire  
Cité Sainte, F Morin  
St Basile, Z Gingras  
Lauruel, G Lemoine

## Pointe aux Trembles, L Parant

St Raymond, P J Bedard  
St Augustin, A Milette  
Ste Catherine, W Dunn  
Ste Foye, P Huot  
Ancienne Lorde, J Laberge  
St Anselme, F Boucher  
Charlebourg, E Paymont  
Lac Beauport et Laval, P Sax

Valecartier et Stenham, P Clarke,  
Beauport, L T Bernard  
Joseph Lagueux, Vicairo

Ange Gardien, B Mc Gauran; J Asselin,  
anc cure

Chateau Richer, E E Parant  
Ste Anne, P Garlepy  
St Fereol, J B Cote  
St Joachim, F X Leduc  
Petite Rivière, T Larouche

Baie St Paul, M Chauvin; L Otisse,  
Vicairo

St Urbain, C Clement  
Ehoullements, C Gagnon; E Egin, Vi-  
cnaire

Isle aux Chaudres, J B Pelletier  
St Irene, C Pouliot  
Malbaie, A Beaudry  
Vicairo, Nicholas Audet

St Agnes, G Tremblay  
Escoumains et postes de la cote du Nord,  
RR PP, Charles Arnaud et Fabel  
Chicoutimi, J B Gagnon; F A Blouin,  
Vicairo

Grande Baie, L Gill; F Morissot, Vi-  
cnaire

## COTE DU SUD.

St Jean Deschailions, L Noel  
Lathuinière, E Faucher; F Mc Donnell,  
Vicairo

Ste Croix et St Flavien, S Belleau, B  
Desrochers

St Antoine, P Beland  
B Robin, Vicairo  
St Nicolas, F Baillargeon  
Halifax, de., J. M. Bernier

St Giles, de, W Richardson  
Somerset, de, C Trudel  
St Silvestre, Leeds, de, J O Grady, M  
Dowling

St Jeanne Chryssostome, P Beaumont  
N D de Levy, J D Derzki  
Vicairo, P Brunet

Pointe Levy, L H Routier  
Vicairo, P Dionne  
St Henri, J B Grenier  
St Isidore, L Poulin

J. Couture, Anc Cure  
St Anselme, J B Bernier  
Ste Marie, L Pronk  
St Etzear, Ls H Grenier

St Bernard, E Moore  
St Joseph de la Nece, D Martineau  
St Frederic, F Caron

St Francois Beauce, F X Tossier  
Lambton et Forsyth, N Godbout  
Tring, C Roy

St George, A A Campeau  
Frankton, M Kerrigan  
Ste Claire, J Langevin

Ste Marguerite, E Halle  
Ste Henedine, C Beaumont  
St Gerards, P Pouliot

E V Dion, Vicairo  
St Lambert, O Brunet  
St Lazare, E Dufour  
St Charles, P Villeneuve

A Mailloux, V G  
Beaumont, L Lahale  
St Michel, N C Fortier  
St Valter, N Beaubien  
St Raphael, J B Perras

Berthier, J Bonenfant  
St Francois Riv du Sud, L L Bellefleur

St Pierre Riv du Sud, Z Sirois  
St Thomas, J L Baulien

N. Leclair, Vicairo  
Isle Aux Grues, C Tardiff

Cup St.

Isle de

F Olliv

St Jean

M For

St Roch

E Rou

DIST

Ste Ann

Riv Our

St Puce

Begin

St Denis

Kamour

F O H

St Pascl

C Gau

St Helen

St Andre

Riviere

Grouard

St Arsen

St Modes

Isle Verte

St Eloi,

Trois P

St Simon

Ste Cecile

Rimouski

Ste Lucie

Ste Flav

Malone,

Perce, &amp;

Douglas

Bouvent

Grand R

Paspehian

Rivigou

DIO

Eceque de

Vicairo

Secreta

Chap des

Au Scul

Superia

F Desau

Mashinon

Riviere de

L Mar

Vicairo

Yamachi

Ste Ursu

St Leon

St Eudali

St Barna

Pointe du

St Mauri

Cape de la

Chaplain

Batiscan,

Ste Genev

St Stanis

Ste Anne

St Prospe

Shipton,

Kingscy,

Stanford,

Drimmon

St Norbet

St Christo

Wotton e

St David,

St Guillie

St Michel

St France

St Thom

arant

go

Sax  
Clarke.re  
an; J Asselin.

ant

ne  
in; L Orlisse,

; E Pegin, Vi-

letier

a cote du Nord,  
ud et Pabel  
; F A Blouin,

F Morissot, Vi-

.

Neel  
F Mc Donnell,

, S Belleau, B

n

son

J O Grady, M

Beaumont

r

Martineau

Tessier  
Edouard

nt

L. L. Belle-Isle  
Sirols

*Cup St Ignace, J E Ceell*  
*Réed de St Cyrille, F X Delage*  
*F Oliva, Vicairo*  
*St Jean Port Joli, L Parant*  
*M Fortin, Vicairo*  
*St Roch des Aulnais, D H Tetu*  
*E Rousseau, Vicairo*  
DISTRICT DE KAMOURASKA.  
*Ste Anne Lapoclière, L A Bourret*  
*Riv Ouelle, C Begin*  
*St Rucone et N D Mont Carmel, F X*  
*Begin*  
*St Denis, E Quartier*  
*Kamouraska, N Hebert*  
*F O Hebert*  
*St Paschal, P Patry,*  
*C Gaurreau, Vie den*  
*St Helene et St Alexandre, J Mattie*  
*St Andre, N Doucet*  
*Riviere du Loup, L A Proulx*  
*Cicouana, J C Cloutier*  
*St Arsene, N Belanger*  
*St Modeste, J B Blanchette*  
*Isle Verte, L Provencher*  
*St Etot, T A De Gaspe*  
*Trois Pistoles, Leon Roy*  
*St Simon, G S Marceau*  
*Ste Cecile et St Hubien, L Marceau*  
*Rimouski, C Tanguay*  
*St Lucie, G Nadeau*  
*Ste Flavie, de, M Dugunay*  
*Makene, de, P Boucher*

## DISTRICT DE GASPE.

*Perce, de, N Gingras*  
*Douglasstown, de, J Sasseville*  
*Bonaventure, de, J L Alain*  
*Grand Riviere, de, L Desjardins*  
*Paspébiac, de, E P Lapoint*  
*Ristigouche et Carleton, J Beland*

## DIOCESE DES TROIS RIVIERES

*Evêque des Trois Rivières, Mgr T Cooke*  
*Vicaires, R Noisieux; E Chabot*  
*Secrétaire, L Hamelin*  
*Chap des Ursulines, G Loranger*  
*Au Séminaire de Nicolet, C Harper,*  
*Superieur; C Dion, O Caron, T Caron,*  
*F Desaulniers, S D, N Bellemare*

## COTE DU NORD.

*Maskinonge et St Justin, L E Bois*  
*Riviere du Loup, J Lebourdais*  
*L Marcoux, ancien cure; P Roy,*  
*vicairo*  
*Yamachiche, H Dorion, vicairo*  
*Ste Ursule, A Mayrand*  
*St Leon, L Aubry*  
*St Faudin, J H Lottinville*  
*St Barnabe, J E Sirols*  
*Pointe du Lac, D Paradis*  
*St Maurice, J Bailey*  
*Cape de la Montpelaine, F Kyrouas*  
*Champlain, D M Marcoux*  
*Patiscan, W Frechette*  
*Ste Genevieve, F X Cote*  
*St Stanislas, L H Dostie*  
*Ste Anne de la Perade, A Dupuis*  
*St Prosper, L Tourigny*

## COTE DU SUD.

*Shipton, de, L Trahan*  
*Kingsy, de, J Paradis*  
*Stanford, de, N Pelletier*  
*Drummondville, de, J B Leclerc*  
*St Norbert d'Arthabaska, J O Prince*  
*St Christophe, L H Suzor*  
*Woodton et Luc Aylmer, de, G Dubault*  
*St David, J Boucher*  
*St Guillaume, L O Desllets*  
*St Michel d'Yamaska, C I Lebrun*  
*St Francois, J B Olscamps*  
*St Thomas de Pierreville, J Maurault*  
*Bledu Pibre, M Carrier, O Belcourt*  
*St Zephirin, A A Marcoux*  
*Nicolet, L T Fortier*  
*Ste Monique, Z Rousseau*  
*St Gregoire, J Harper*  
*St Pierre Martin, J C Marquis*  
*Beaucourt, S Malo*

*Ste Gertrude, P de Villers*  
*Gentilly, O Larue*  
*St Pierre Lesbecquets, Chartre*  
*A Leclerc, ancien cure*

## DIOCESE DE MONTREAL.

Monsieur I Bourget, Evêque de  
Montreal. Monsieur J Laroque,  
Evêque du Montreal. Monsieur  
J Laroque, Evêque de Cydonia, Co-  
adjuteur  
*A l'Evêché, A F Truteau, J O Pare,*  
*Secrétaire, L A Pinsonneault, V Pilon,*  
*T Plamondon, H Moreau, P Leblanc,*  
*sous Secrétaire, P Lafranc*  
*Vicaires Généraux, M M A Manseau,*  
*P L Archambault, J B Kelly, P Bill-*  
*audole, A F Truteau*  
*Au Séminaire de Montreal, M M P Bill-*  
*audole, Supérieur, J B Roupe, J*  
*Compte, Proc J B St Pierre, R Larre,*  
*J Arraud, L Villeneuve, A Granjon,*  
*E Picard, M C L Bonissant, a Mer-*  
*cier, L Pelissier, J J Conolly, C M*  
*E Voirdye, J P Chénail, F Daniel, C*  
*J Bardy, H Prevost, P Dowd, P*  
*McCulla, M O'Brien, P Murphy, D*  
*Tambareau, J F Lacan, A C Q Des-*  
*mazures.*

*Vicairo, H Lenoir*  
*Mission du lac des Deux-Montagnes,*  
*N Dufresne, J J Toupin, A Cuoq*  
*Eglise de St Pierre, Les R R, P P,*  
*Oblats*

*Au Grand Séminaire, J A Bayle, D*  
*Granet, A L Barbarin*  
*Au Collège de Montreal, A Nercam, L*  
*Regourd, P P Denis, L L Billon, J J*  
*Perreault, J Delavigne, J Palatin,*  
*C Lenoir, J B B Larue*  
*Collège des Jésuites, R R, P P, Martin,*  
*P A Havequez, A Larcher, H du*  
*Ranquet, J Durthaller*

*Hospice St Joseph, a la Longue Pointe,*  
*J B Kelly, J M Belenger, A T La-*  
*garde, O S Paquet*  
*Collège de Chamilly, P M Mignault,*  
*Supérieur, F T Lahaye, Directeur.*  
*Collège de l'Assomption, A Dupuis,*  
*Directeur: N Barret, F Bourgeault*  
*Collège de Ste Therese, S Tasse, Supe-*  
*rieur, J Duquet, L Dagenais, H A*  
*Verreau*  
*Collège de l'Industrie, E Champagnour,*  
*Supérieur, P Lajoie, Directeur, C J*  
*Lagorce Institut des Sourds-Muets*

## ISLE DE MONTREAL.

*St Laurent, M M, J B Germann*  
*Sup. des Freres St Joseph, J Reze*  
*Ste Genevieve, L M Lefebvre*  
*Ste Anne, L J Huot*  
*Pointe Claire, E C Fabre, P D Ricard,*  
*Ancien cure*  
*Lachine, A Duranseau*  
*Longue-Pointe, J B Drapeton*  
*Pointe-aux-Trembles, Porlier*  
*Riv des Prairies, J E Lamonde*  
*H Morin, Vicairo*  
*Smult-au-Recollet, J J Vinet*  
*Isle Bizard, I Lasnier*  
*Isle Perrot, C Aubry*

## ISLE JESUS.

*St Martin, M M P C Dube*  
*Ste Rose, P Brunet*  
*St Vincent, N Lavallée*  
*Chap des D S C. Et Lavole*  
*St Francois de Sales, A O Giroux*

## COTE DU NORD.

*St Berthel, T V Papineau*  
*R Fournier, vicairo*  
*Berthier, J F Gagnon*  
*I Belair, Vicairo*  
*Isle du Pads, T Filiatsault*  
*St Cathbert, A Fissette*

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*St Gabriel, J Dequoy*  
*Ste Felix et St Jean de Matha, J S Aulin*  
*St Thomas, C Lebel*  
*Industrie, Ant Manseau*  
*Ste Elizabeth, L Guyon*  
*St Norbert, T E Dagonast*  
*Lacatrie, H Marcotte*  
*Lanoré, J O Giroux*  
*St Sulpice, J Moll*  
*St Paul, T L Brassard*  
*Kildare, D Laporte*  
*Ste Melanie, F Jeannotte*  
*Repentigny, F Labelle, E Labelle, au*  
*ancien cure*  
*L'Assomption, F Dorval*  
*St Jacques de l'Achigan, J R Pare*  
*Chap des sœurs de Ste Anne, A Marecha*  
*St Liguori, J Perrault*  
*St Alexie, V Clement*  
*St Julien, C Loranger*  
*St Alphonse, L Prevost*  
*St Roch de l'Achigan, J B Labelle*  
*St Lin, T Huteau*  
*St Euphr, M Charron*  
*St Henry, J M Chavigny; L Gagne, P*  
*Mercur, ancien cures*  
*Lachenais, E Normandin, M Morin,*  
*ancien cure*  
*Terrehoune, A Thobergo*  
*Dir du Collège Masson, T B Peltier, J S*  
*Theberge, assist-dirce*  
*Ste Anne des Plaines, C Champoux*  
*St Jerome, C Thibault, A Thibault, vi-*  
*caire*

*Ste Sophie, D J Brosnan*  
*Ste Adele de la Circumcision, E Thierien*  
*St Orléan, J Falvy*  
*Ste Therese, J Duquet*  
*St Janvier, M Brunet*  
*St Augustin, J B Champeaux*  
*St Bustache, P Pelletier*  
*St Bonni, A Froulx*  
*St Placide, I Barrette*  
*Ste Scholastique, V Plinguet, E Bonin,*  
*ancien cure*  
*St Andre, A Thibaudier*  
*St Hermas, P Poulin*  
*Vandrevil, P Archambault*  
*Rigault, J Desautels, P Belanger,*  
*vicairo*  
*Dir de l'Academy, A Jacques*  
*Ste Marthe, A J Martineau*  
*Les Celres, M Roux*  
*Coteau du Lac, T Brassard*  
*St Etel, C E Marsolais*  
*St Polycarpe, B F Cholette, N Perrault,*  
*vicairo*  
*St Zotique, St. Dufour*

## COTE DU SUD.

*St Regis, F X Marcoux*  
*St Anice, L Poirier*  
*St Timothee, J Archambault, J Bris-*  
*sette, vicairo*  
*St Clement, D Charland, A Toupin,*  
*vicairo*  
*St Louis de Gonzague, I Seguin*  
*Ste Martine, E Blyth*  
*St Urbain, R Neyron*  
*St Jean Chrysostome, H Beaudry*  
*Ormsdown, de, E Doyle*  
*Chateaugay, T Caron*  
*Ste Philomene, Ls Turcot*  
*St Isidore, N Trudel*  
*Sault St Louis, J Marcoux, J E Antoinne,*  
*O M I, vicairo*  
*St Philippe, A Proulx*  
*St Blouard, M Folsy, F Rochette, vi-*  
*caire*  
*Sherrington, de, A O Malley*  
*St Onstant, C L Vinet*  
*St Remi, P Bedard*  
*St Jean Dorcel, C Laroque*  
*St Luc, M Quintal*  
*Blairfinde, R Robart*  
*St Jacques, La Min, J Morin*  
*St Cuprien, C Morrison*  
*St Valentine, I Lussier*

*St Bernard de Lacolle*, J Dallaire  
*Laprairie*, F Vignon, S J. A Braun, S J,  
 vicaire  
*Longueuil*, L M Brassard, E H Hicks,  
 assistant  
*Ch. des Sœurs de J M*, G Chabot  
*Boucherville*, T Popin, D Berard, vicaire  
*St Bruno*, M Plette  
*Varennes*, C J Primeau, L I Martel,  
 vicaire  
*St Julie*, J Theoret  
*Vercheres*, R O Bruneau, E Desmarais,  
 vicaire  
*Contrecoeur*, F L Henreux  
*St Antoine*, M Cusson  
*St Marc*, J E Leveque  
*Belet*, E Durocher  
*Chamby*, P M Mignault  
 U Archambault, vicaire.

## DIOCESE DE ST. HYACINTHE.

Monseigneur Jean Charles Prince, Eve-  
 que St Hyacinthe  
*St Eveche*, MM P Lafrance, G Marches-  
 seau, L Z Moreau, Secrétaire G L  
 Chervé, G S Kerton, Dre S Secre-  
 taire.

Vicaires Généraux, MM F Demers, J S  
 Raymond, E Crevier

Seminaire de St Hyacinthe, MM I De-  
 saulniers, A M, Supérieur, J S Ray-  
 mond, P Dufresne, Q Laveque, F Tet-  
 rear, P O Allaire, J J Prince, H Mil-  
 lior, F Berthelot, M Godard,  
 CURE, MISSIONNAIRES, VICAIRES

N D de St Hyacinthe, MM J Z Resther  
 Sord, L Limoges

J Gaborge, Vicaire

St Ours, J B Belanger

St Denis, F Demers

St Charles, P J Crevier

St Hilaire, F X Caisse

St Mathias, L B Brien

St Athanase et St Alexander, J B Dupuy

St George, T St Aubin

Stunbridge, B J Leclair

St Gregoire, I H Noisoux

St Marie, E Crevier

O Desorey, Vicaire

St Jean Baptiste, S C Hott

Presentation, J Beauregard

St Barnabe, N Hardy

St Jude, J M Bathayard

St Victoire, A Lomay

St Anne et St Marcel, E Lecours

St Hughes et St Helene, L M Archam-  
 bault

F Tremblay, Vicaire

St Simon, H L Gironard

St Rosalie, E Bris

St Dominique, P A Sylvestre

St Pie, J Crevier

St Damase, F Z Brunet

St Césaire et l Ange Gardien, J A Pro-  
 venaal

J Michon, Vicaire

Furnham et Ste Brigid, I Desnoyers

Dunham, W Fitzgerald

Granby, J Quinn

Steeley, Ely et Bolton, O Monet

J Leblanc, Vicaire

Stansstead, Outlet et Georgeville, O Pelle-  
 tier

Sherbrooke, Eaton et Compton, A E Du-  
 fresne

Rozon, J A Boisverd

Milton et St Paterien, F. Rofoin

## DIOCESE OF BYTOWN.

Rt Rev Jos Eng Guigues, Bishop of  
 Bytown  
 Very Rev Peter Aubert, Vic. Gen.  
 Francis Andrieux  
 Chantiers, RR Medard Bourassa  
 Indians of Hudson Bay, RR Andre  
 Cairn, F Reboul

College of Bytown, RR Joseph Tabaret  
 President; Jos. Collins, Director;  
 J Gillie, P Cyr, P Collins, J Ernest,  
 Ed Pentinot, Regents.  
 Cathedral, RR D Daudrand, M Molloy,  
 P Molloy, Aug Brunet  
 Pembroke and Allumette Island, S  
 Lynch

Bromley, James Strain  
 Hanfrew, Michael Byrne  
 Fitz Roy, Bernard Mc Foely  
 Hanly, Edward Vaughan  
 Richmond, Peter O'Connell  
 Gloucester, R R F Coopman, T Roboul  
 Cumberland, Jos. Michel  
 Plantagenet, Thomas O'Boyle  
 L'Original, L Almeras  
 Grenville, Jos David  
 Petite Nation, Arthur Mignault  
 St Andre Avelin, Joseph Storkendris  
 Buckingham, John Brady  
 Gatineau, Luzanne Ginguet  
 La Peche, F Lauzier  
 Wakefield, P McGoey  
 Indians of La Gatineau, RR Regis De-  
 laage, Fr Andrieux  
 Aylmer, James Hughes  
 Portage du Fort, Joseph Bouvier  
 Catumet, Louis Ouillot

## DIOCESE OF KINGSTON.

Rt Rev Remi Gaulin, Bishop of King-  
 ston

Rt Rev Patrick Phelan, Administ.  
 Apostolic of Kingston

Kingston, V R P Dollard, V G, John  
 O'Conner, Secretary; John Foley,  
 sen. (Penitentiary) Aug. McDonnell,  
 V G, Fran McDonagh, T McMahon,  
 N Clune

St Raphaels, V R J McDonald

Pictou, Murt Lalor

Belleville, Michael Brennan

Peterboro, John Farrell

St Andrew's, George Hay

Perth, J H McDonagh

Cornwall, John F Cannon

Tyendinaga, Charles Burke

Cobourg, Michael Timlin

Brockville, Oliver Kelly

Prescott, Edward P Roche

Kemptville, Daniel Farely

Smith's Falls, Terence Smith

Reginopolis, Patrick Madden, D D

Hungerford, Dennis Begley

Lindsay, James Chisholm, D D

Winchester, Bernard Coyle

Asphodel, James Farrelly

Loboro, P McCray

Alexandria, John Mc Lachlan

Bedford, John Foley, jun.

Douro, Michael Mc Kay

Camden, Bernard Higgins

Gananoque, James Rossiter

Emily, John Burke

Port Hope, Kieran O'Keefe

Locheil, John Meade

Trenton, H Bretargh

## DIOCESE OF TORONTO.

Right Reverend Armand Francis Mary  
 De Charbonnel, Bishop of Toronto;  
 Very Revs. E Gordon and P Point,  
 Vicars General; Ven and Rev P  
 Molony, Archdeacon.

St Michael's Cathedral, Rt Rev A F M

De Charbonnel, Rev J M Brugere

St Paul's, Rev T Fitzhenry

St Mary's, Rev J O'Neill

College of St Michael, Rev J M Souleir

Superior, P Molony, J Malbos, W

Flannery, and C Vincent, Professors

Oshawa, J B Proulx

Newmarket, M O Loughlin

Adjaki, P Rattigan

Toronto Gore, Eugene O'Reilly  
 Niagara, L Mussart  
 St Catharines, B Grattan  
 Caledonia, M McLaughlin  
 Black Creek, M Newman  
 Hamilton, Very Rev E Gordon, V G, A  
 Carayon

Dundas, J O'Reilly

Brantford, J Ryan

Ingersoll, R Kelcher

London, T T Kirwan, R Dean

St Thomas, J D Ryan

Chatham, J V Jaffre, J J

Raleigh, M Raynal

Amherstburgh, M J Daudet, M Pourret

Sandwich, Very Rev P Point, V G, S J,

S J, J Malingui, S J, J Grinane, S J, A

Vervais, retired

Goderich, P Schneider

Manitowlin, N Point, S J, J Hanpau,

S J, N Fremiot, S J,

Sault Ste Marie, J B Monet, S J, A

Kohler, S J

Lake Superior, P Chone, S J, D Duran-

quet, S J, M Moncoq, Auxiliary for

the Indians

Penetanguishene, C A Ternet

Willesley, C Messer

New Germany, J B Baumgartner

Wilmot, R F Ebner, S J

Guelph, C Holzer, S J, F Matoga, S J

Presbyterian Church of  
Canada.

IN CONNECTION WITH THE CHURCH OF  
 SCOTLAND.

Synod meets at Toronto, on the Third  
 Tuesday of February, May, August  
 and November.

Professor James Williamson, A M,  
 Kingston, Moderator  
 Andrew Bell, L'Original, Synod Clerk  
 John Cameron Esq., Toronto, Synod  
 Treasurer.

## PRESBYTERY OF TORONTO.

J Barclay, A M, Toronto, Clerk  
 Pickering, Peter McNaughton, A M  
 Esquiesing and Milton, Peter Ferguson  
 King, John Tawse, A M  
 Chinguacousy, Thomas Johnson  
 Mono, Alexander Lewis  
 Eldon, John Mc Murtry  
 Toronto, John Barclay A M  
 Gwillimbury West, Alexander Ross  
 Clarke and Hope, Samuel Porter  
 Hornby, William Barr  
 Nottawasaga, John Campbell, A M.  
 Thora, David Watson, A M  
 Darlington, John Hugh McKerras, A M  
 Mulmur, Archibald Colquhoun  
 Vacant Charges, Vaughan, Scarboro,  
 Newmarket, Markham, Brock and  
 Reach, Scott and Uxbridge, Whitby,  
 Mara, Caledon  
 Missionaries, William Cleland, James,  
 Bain, John Brown

## PRESBYTERY OF MONTREAL.

Meets at Montreal, on the First Wed-  
 nesday of February, May, August,  
 and November

Thomas Haig, Beauharnois, Clerk.  
 Montreal, St Andrew's, A Mathieson,  
 D D

Dundas, Duncan Moody

Chatham and Grenville, William Malr

Ormsdown, James Anderson

Georgetown, James C Muir

Quebec, St Andrew's, John Cook, D D

Laehne, William Simpson

Henningsford, John Merlin

New Richmond, John Davidson

Three Rivers, James Thom

Huntingdon, Alexander Wallace, A B

*Montreal, St. Paul's*, Rob. McGill, D D  
*St Louis*, James T Paul  
*Beauharnois*, Thomas Haig  
*Melbourne*, Thomas Morrison  
*Norvaltown*, Archibald H Milligan  
*Vulcartier*, David Shaika  
*Vacant Charges*, Beech Ridge, Laprairie  
*French Missionary*, T J Charbonell

## PRESBYTERY OF GLENGARY.

Meets on the Third Wednesday of January, May and September  
 T McPherson, A M, Lancaster, Clerk  
 Williamstown, John McKenzie, A M  
 Carmichael, Hugh Urquhart, A M  
 Martintown, John Mc Laurin  
 Lancaster, Thomas Mc Pherson, A M  
 Dalhousie Mills and Cote St George,  
 Aeneas McLean  
 Finch, Donald Monro  
 Williamsburgh, Thomas Scott,  
 L'Original and Plantagenet, Andrew  
 Bell  
 Osnaburck, Robert Dobie  
*Vacant Charges*, Lochiel, Indian Lands,  
 Coteau du Lac, Vanleek Hill

## PRESBYTERY OF HAMILTON.

Meets at Hamilton on the Second Wednesday in January, May and September  
 John B Mowat, A M, Niagara, Clerk  
 Guelph, Alexander Mackie  
 Fergus, Hugh Mair, D D  
 Guelph, Colin Gregor  
 Stratford and N Eashope, W Bell, A M  
 Simcoe and Vittoria, George Bell, A B  
 Niagara, John B Mowat, A M  
 Galt, Hamilton Gibson  
 Chatham, John Robb  
 Woodstock, and Norwich, Frederick P  
 Sim  
 Salfleet and Binbrook, William John-  
 son, A M  
 Nelson and Waterdown, George Mac-  
 donnell  
 Dundas and Ancaster, Kenneth Mc  
 Lennan, A B  
 Hamilton, Robert Burnett  
 London, John Skinner, D D  
 North Dorchester, William McEwan,  
 A M  
 Wawanosh, James Stuart  
*Vacant Charges*, Westminster, Wil-  
 liams, Amherstburg, Woolwich,  
 Clinton, Dover and Fredricksburch,  
 St Thomas, Wellesley, Aldboro', Yar-  
 mouth, Brantford, Puslinch, Kin-  
 cardine  
 Retired Ministers, William King, Geo  
 McClatchey

## PRESBYTERY OF BATHURST.

Meets at Perth on the Second Wednes-  
 day in January, May, and Septem-  
 ber.  
 William Bain, A M, Perth, Clerk  
 Perth, 1st Church, William Bell, A M  
 South Gower, Joseph Anderson, A M  
 Pakenham, Alexander Mann, A M.  
 Kitley, David Evans  
 Lanark, Thomas Fraser  
 Perth, St Andrew's, William Bain, A M  
 Ramsay, John M'Morine  
 Bytown, Alexander Spence  
 Smith's Falls, Solomon Mylne  
 Brockville, John Whyte  
 Beckwith, Duncan Morrison  
 McNab & Horton, Geo Thompson, A M  
 Richmond, Peter Lindsay  
*Vacant Charges*, Cumberland and  
 Buckingham, Huntley, Dalhousie,  
 Newboro' and Bedford

## PRESBYTERY OF KINGSTON.

Meets at Kingston on the first Wed-  
 nesday of every month.

George Weir, A M, Kingston, Clerk  
 Kingston, John Macher, D D  
 Seymour, Robert Neill  
 Queen's College, James Williamson,  
 A M, John Smith, A M, James  
 George  
 Belleville, Archibald Walker, A M  
*Vacant Charge*, Camden

## Presbyterian Church of Canada.

## PRESBYTERY OF KINGSTON.

H Gordon, Cananoke, Moderator  
 William Reid, A M, Toronto, Clerk  
 Cananoke, Henry Gordon  
 Demoresville, James Rogers  
 Picton,  
 Belleville, W Gregg, A M  
 Kingston, Chalmers Church, Robert F  
 Burns; Brock Street Church, And  
 Wilson  
 Madoc, James W Chesnut  
 Roslin and Melrose.  
 Presbytery Clerk, William Gregg

## PRESBYTERY OF BROCKVILLE.

Yonge, &c., William Smart  
 Prescott, Robert Boyd  
 Spencerville and Edwardsburgh, James  
 Giegie  
 Brockville, John McMurray  
 South Gower and Kempsville, W J Mc  
 Dowell  
*Vacant Charges*, Bellamyville, Bishops  
 Mills and Merrickville, Charleston,  
 Farmersville, &c., Newboro, West-  
 port, &c.  
 John McMurray, Presbytery Clerk

## PRESBYTERY OF PERTH.

Osgoode and Gloucester, W Lohead  
 McNab and Horton, S C Fraser, A M  
 Bytown, Thomas Wardrope  
 Pembroke, Andrew Melville  
 Wakefield, John Corbett  
 Beckwith, Peter Gray  
 Perth, J B Duncan  
 Aylmer and Nepean, John Gourlay  
 Ramsay, James Smith, A M  
*Vacant Charges*, Bristol, Dalhousie,  
 Goulburn  
 S C Fraser, Presbytery Clerk

## PRESBYTERY OF MONTREAL.

Melis, W McAlister  
 Quebec, W B Clark  
 St Therese de Blainville, David Black  
 Lachute, Thomas Henry  
 Montreal, St Gabriel street, David Inglis  
 Indian Lands, &c., Daniel Gordon  
 Melbourne, R C Swinton  
 Osnaburck, J C Quin  
 Montreal, Cote street, Don. Fraser, A M  
 St Eustache, William Scott  
 Lincolnton, &c., Ewen McLean  
 Vanleek Hill, Duncan Cameron  
 Leeds, James McConeley  
 Donald Fraser, Presbytery Clerk.

## PRESBYTERY OF LONDON.

Zorra, Donald McKenzie.  
 Perth, Easthope, Daniel Allan  
 Stratford, Thomas McPherson  
 Egmondville, W Graham  
 Ingersoll, Robert Wallace  
 Elfrid and Moss, W R Sutherland  
 Chatham, Angus McColl  
 Williams, Lachlan McPherson  
 Woodstock, W S Ball  
 Aldboro, Duncan Mc Millan  
 London, John Scott  
 Buxton, William King  
 Brucefield, John Ross  
 Windstock, D McDiarmid  
 Plympton, William Porterfield.

Amherstburgh, William McLaren  
 Blandford, Andrew Tolmie  
 Port Sarnia.  
*Vacant Charges*, Fingal, St Thomas,  
 Dunwich, Thamesford, Saugeen, Ro-  
 sanquet, Tilbury, Howard & Mitchell  
 John Scott, Presbytery Clerk.

## PRESBYTERY OF HAMILTON.

Salfleet and Binbrook, George Cheyne  
 Dundas, M Y Stark  
 Galt, John Bayne, D D  
 Fergus, George Smellie  
 Wellington Square, &c., Alex McLean  
 Guelph, Samuel Young  
 Owen Sound, John McKinnon  
 Niagara, John Alexander  
 Blenheim and Paris, Duncan McRuar  
 Caledonia, James Black  
 Nassagawaga, Andrew J McAuley  
 Hamilton, Robert Irvine  
*Vacant Charges*, Port Dover, Puslinch  
 East, Puslinch West, Dunnville, Ayr,  
 Ancaster

The following are Stations within the  
 bounds of this Presbytery:—Brant-  
 ford, Doon Mills and New Aberdeen,  
 Berlin and Woolwich, Owen Sound  
 Road, Mornington and Wellesley,  
 Allansville, Nairn Church, Flan-  
 boro', Walpole and Jarvis, St Catho-  
 rines, Thorold, &c., Port Rowan and  
 Welland Port.

M T Clarke, Presbytery Clerk

## PRESBYTERY OF TORONTO.

Toronto, Knox's Church, Robert Burns,  
 D D; M Willis, D D, Professor of  
 Divinity; James Harris  
 Whitby, James Finlay  
 West Geillimbury, Thomas Lowry, W  
 Reid, A M  
 Vaughan, William Meldrum  
 Chingacousy, A T Holmes  
 York Mills, Thomas Wrightman  
 Acton and Boston, John McLachlan, O  
 P Young, 2nd Prof of Divinity  
 Markham, James Boyd  
 Oakville, James Nisbet  
 Streetsville, Robert Ure  
 Brock and Reach, John Mitchell  
 Oro and Orillia, John Gray  
 Union and Norval, Joseph Alexander,  
 A M  
 King, James Adams  
 Barrie Innisfil, &c., Robert McKenzie  
 Scarborough, John Laing  
 Red River, John Black  
 Thorah and Eldon, Caledon West  
 and Erin, Mono and Caledon East,  
 Oro & Medonte, Nottawasaga, Wes-  
 ton and Lambton, are also Stations  
 within the bounds of this Presby-  
 tery.  
 Thomas Wightman, Presbytery Clerk.

## PRESBYTERY OF COBURG.

S. Czean & Millbrook, James Douglass  
 Cobourg, Donald McLeod  
 Peterboro, J M Roger, A M  
 Grafton and Colborne, John W. Smith  
 Baltimore and Coldsprings, W J Mc  
 Kenzie  
 Otonabee, Francis Andrews  
 Darlington, John Smith,  
 Norwood, D M McAlcese  
 Carthwright and Manvers, Robert Boag  
*Vacant Charges*, North Cavan, Trenton  
 and Murray, Percy and Alnwick,  
 Warsaw.  
 J W Smith, Presbytery Clerk.

## United Presbyterian Synod in Canada.

Next Meeting of Synod to be held in  
 Toronto, on Tuesday, June 5, 1855  
 James Dick, Moderator  
 William Fraser, Synod Clerk



## PRESBYTERY OF LONDON.

*Deliel, English Settlement, James Skinner*  
*London, John J A Proudfoot*  
*Warrens ville, Bayfield, Brucefield, John Logie*  
*Chatham, John Fraser.*  
*St. Mary's, Downie, William Cavan*  
*Adelaide, Warwick, William Donas*  
*McKillop, Matthew Barr*  
*Goderich, James A Devine, A M*  
*Vacancies, Detroit, Ingersoll, Har-*  
*wich, Hibbert, Flatcreek, Tilbury.*  
*Stations, Biddulph, McGillivray, Bos-*  
*sauquet*

## PRESBYTERY OF FLAMBORO.

*Flamboro and Dundas, Thos. Christie*  
*Caledonia, Indiana, Onoda, Andrew*  
*Forlor, D D*  
*West Dumfries, Alexander Ritchie*  
*Beverly, John Porteous*  
*Hamilton, John Hogg, Clerk*  
*Chippawa, William M Christie*  
*Thorold, William Dickson*  
*Vacancies, St. Catharines, St. George,*  
*Ancaster West, Ancaster East,*  
*Dumville*

## PRESBYTERY OF TORONTO.

*Toronto, 2nd, John Taylor, M D*  
*West Gwillimbury, Tecumseth, Essa, W*  
*Fraser*  
*Toronto 1st, John Jennings*  
*Richmond Hill, James Dick, Clerk*  
*Chinguacousy, 1st & 2nd, David Coutts*  
*Toronto Township and Brampton, Jas.*  
*Pringle*  
*Dunbarton and Canton, Alex. Kennedy*  
*Vacancies, Pickering, Vaughan, Albion,*  
*Caledon*

## PRESBYTERY OF CANADA EAST.

*Montreal, William Taylor, D D*  
*New Glasgow, Alexander Lowden,*  
*Clerk*  
*Madrid, N. Y., John Morrison*  
*Lachute, Walter Scott.*  
*Hemmingford, Alexander C Stuart*  
*Huntingdon, Mr Watson*

## PRESBYTERY OF LANARK.

*Smith's Falls, William Aikin*  
*Pakenham, Alexander Henderson*  
*Vacancy, Torbolton and Fitzroy Har-*  
*bour*

## PRESBYTERY OF DURHAM.

*Widby, Robert H Thornton, Clerk*  
*Port Hope, John Cassie*  
*Clarke, George Lawrence*  
*Emily, Manners, Ops, John Ewing*  
*Ernestown, Frederickburgh, John Scott*  
*Lindsay, Verulam, Mariposa, Gilbert*  
*Tweedie*

*Newton and Newcastle, W C Young*  
*Vacancies, Darlington, Amherst Is-*  
*land, Oakhills*

## PRESBYTERY OF WELLINGTON.

*Guelph, Robert Torrance, Clerk*  
*Eramosa, William Barrie*  
*Elora, John Duff*  
*Vacancies, Esquesing, Brant, Lake*  
*Shore, Sydenham, Sable River,*  
*Euphrasia*

## PRESBYTERY OF BRANT.

*Paris, David Caw*  
*Blenheim, Burford, Woodstock, George*  
*Murray*  
*Brantford, Alexander Drummond*  
*Norwich, Robert Rodgers*  
*Glenmorris, John Dunbar*  
*Mount Pleasant, Patrick Greig*  
*Vacancy, Blandford*  
*Ministers without Charge, Arch. Cross,*  
*Robert Monteath, J. Lafayette, W*  
*Livingston, Joseph Scott, A W Wad-*  
*dell, James McIntosh*  
*Probatiners, J C Carruthers, Robert*  
*Devor, John Lees*

Wesleyan Methodist Church  
in Canada.

The Conference meets at London, on  
the first Wednesday in June, 1855.  
Enoch Wood, (Yorkville) President  
of the Conference and General  
Superintendent of Missions; John  
Ryerson, Co-Delegate; J B Howard,  
Secretary.

## TORONTO DISTRICT.

*Toronto East, John Gemley, John Bro-*  
*din, Anson Green, D D, George R*  
*Sanderson, James Spencer, Lachlin*  
*Taylor, Thomas Demorest*  
*Toronto West, John Borland, Ephraim*  
*B Harper, Charles Lavell*  
*Yonge Street, Richard Jones, W S*  
*Blackstock*  
*Humber, Robert Lochead, Benjamin*  
*Jones*  
*Brampton, Samuel C Phillip, Reuben E*  
*Tupper, Joseph E Sanderson*  
*Oakville, Benjamin Nankeville Jon-*  
*than Scott, Superannuated*  
*Oshawa, D B Madden, Robert Fowler;*  
*Peter Ker, Superannuated*  
*Markham, John Law, Henry Jones;*  
*David Yeomans, Superannuated*  
*Nelson, Thomas Campbell, Ashton*  
*Fletcher; David Wright, Superan-*  
*nuated*  
*Milton, John Hunt*  
*Georgetown, William Andrews*  
*Stouffville, Cornelius Plummerfeld*  
*Richard Jones, Chairman*

## HAMILTON DISTRICT.

*Hamilton, James Elliott, Wm Haw,*  
*G N A F T Dixon; Samuel Bolton,*  
*Superannuated*  
*Dundas, Isaac B Howard, J Harris*  
*Waterdown, Joseph Messmore*  
*Glandford and Seneca, Thos. Williams,*  
*James Clark; Andrew Prindle, Su-*  
*perannuated*  
*Nanticoke, John Goodfellow, John*  
*Wilson*  
*Dunnville, Luther O Rice*  
*Grimshy, Simon Huntingdon, William*  
*Richardson*  
*Stoney Creek, John English*  
*St Catharines, George Goodson*  
*Thorold, Thomas Beviitt, E H Dewart*  
*Drummondville, Alexander T Green*  
*Niagara, Claudius Byrne*  
*Welland, Thomas Jeffers, James*  
*Thompson; John Baxter, Superan-*  
*nuated*  
*Chinville, Robert Corson*  
*Thomas Beviitt, Chairman.*

## BRANTFORD DISTRICT.

*Brantford, Noble F English; Hamil-*  
*ton Biggar, Rowley Heyland, Su-*  
*perannuated*  
*Mount Pleasant, Wm S Griffin*  
*Paris, Joseph Shepley.*  
*Woodstock, Wm Cullough, Jas Dixon*  
*St George, Thomas Fawcett*  
*Galt, George Kennedy*  
*Ingersoll, Ozias Barber, John Wake-*  
*field*  
*Norwich, Peter German, — Stone*  
*Simcoe, Edwin Clement*  
*Dover, Wm Chapman; E M Ryerson,*  
*Superannuated*  
*Walsingham, Matthew Swann; Mat-*  
*thias Holby, Superannuated*  
*Aylmer, Francis Berry, W Williams*  
*Vienna, O H Ellsworth*  
*New Credit, Matthew Whiting*  
*Grand River, W Ryerson, Peter Jones*  
*W Ryerson, Chairman*

## LONDON DISTRICT.

*London, Henry Wilkinson, Thomas*  
*Stobbs*

*London Circuit, Thomas Cleghorn,*  
*Thomas Crews; Edmund Stoney,*  
*Thomas Harmon*

*Mount Elgin and Muncey, Samuel*  
*Noso, whose attention shall be princi-*  
*pally directed to the Industrial*  
*School; John Sunday, Abraham*  
*Sickles*

*St Thomas, Wm Price, Samuel E*  
*Maudsley*

*Port Sarnia, John G Laird*  
*Strathroy, J K Williston*  
*Warwick, ———*  
*Port Stanley, Francis Chapman*  
*St Clair, Solomon Waldron*  
*Devonshire, John Webster*  
*Belmont, Richard Phelps*  
*Samuel Rose, Chairman*

## CHATHAM DISTRICT.

*Chatham, Edmund Shepherd, Thomas*  
*Pearson*  
*Wardsville, William Ames*  
*Wallaceburgh, ———*  
*Morpeth, Joseph Hagill*  
*Gosfield, William Dignam*  
*Southwick and Windsor, Edw White,*  
*Thomas Peacock*  
*Amherstburgh, E L Koylo*  
*Edmund Shepherd, Chairman*

## GUELPH DISTRICT.

*Guelph, Lewis Warner, Richard Clarke*  
*Elora, James Armstrong*  
*Berlin and Blethenheim, John Williams,*  
*Andrew Smith*  
*Peel, Henry Reid; Ezra Adams, Su-*  
*perannuated*  
*Stratford, George Case*  
*St Mary's, C W M Gilbert*  
*Clinton, Alexander Campbell.*  
*Goderich, Charles Sylvester, G Cochran*  
*Mitchell, Lucius Adams*  
*Kincardine, Wm Creighton*  
*Arthur, W Steer Superannuated*  
*Mono, John L Kerr*  
*Erin, ———*  
*Wilkesley, William Glass*  
*Grey, John Armstrong, 1st*  
*Morris, ———*  
*Lewis Warner, Chairman*

## OWEN'S SOUND DISTRICT.

*Newash and Colpoys Bay, Conrad Van-*  
*dusen*  
*Owen's Sound, Samuel Fear, John*  
*Neelds, Superannuated*  
*St Vincent, Peter Empey*  
*Saugeen, Peter Jacobs*  
*Southampton, George Jacques*  
*Derby, David Hunt*  
*Durham, ———*  
*Waller's Mills, ———*  
*Proton, Thomas Culbert*  
*Osprey, ———*

*Bruce Mines, Joseph Hill*  
*Garden River, George W McDougall*  
*Lake Superior, North Shore, George*  
*Baker*  
*Conrad Vandusen, Chairman*

## BARRIE DISTRICT.

*Barrie, John Douse, John S Clarke*  
*Bradford, W Young; Richard J Fore-*  
*man*  
*Cookstown, Joel Briggs*  
*Newmarket, William Willoughby, Wm*  
*McDonagh*  
*Holland Landing, Andrew Edwards*  
*Snake Island, ———*  
*Brook, George Richardson*  
*Kama, Horace Dean*  
*Orillia, ———*

*Pentanguishene Road, Stephen Brow-*  
*nell*  
*Recessville and French River, ———*  
*Collingwood Harbour, Edw Fallows*  
*John Douse, Chairman*

## COBBOURG DISTRICT.

*Cobourg*, George H Davis, John Beatty, Superannuated  
*Victoria College*, Samuel S Nelles, A M, Samuel D Rice, Governor; James Taylor, John Shaw, Students  
*Port Hope*, J W McCollum, William Tomlin  
*Bowmanville*, Thomas Gosford, John Mills  
*Newcastle*, J Hutchinson  
*Cartwright and Schomberg*, T Hanna  
*Millbrook*, James Hughes; M Blackstock, Supernumerary  
*Peterboro*, W H Poole  
*Mud Lake*, John Sanderson  
*Rice Lake*, Wm Herkimer  
*Alderville*, James Musgrove  
*Osborne*, J C Witted  
*Lindsay*, J C Osborne; G Dingman  
*McEwale*, ———  
*Norwood*, George Carr, J Fawcett  
 J Musgrove, Chairman

## BELLEVILLE DISTRICT.

*Belleville*, George Young  
*Consecon*, Michael Facett, Charles Taggart; Cyrus R Allison, Superannuated  
*Pictou*, J C Slater, George Briers  
*Sidney*, John Lever  
*Brighton*, William McFadden, Thomas Woolsey  
*Demorestville*, Vincent B Howard  
*Shannonville*, Peter Germain  
*Hungerford*, Nelson Brown  
*Maddox*, Michael Baxter; Steph Miles, Superannuated  
*Rawdon*, John Black  
*Percy and Seymour*, W H Williams, J Youmans  
 Wm McFadden, Chairman

## KINGSTON DISTRICT.

*Kingston*, John Ryerson, G. Douglass, George Mettichie; Henry Byers, Supernumerary  
*Napanee*—George F Playter, Henry Tow  
*Wilton*, John A Williams.  
*Bath and Amherst Isle*, George Beynon, Aaron Miller  
*Waterloo*, William Philp  
*Gananoque*, Charles Turver.  
*Newborough*, Robert Robinson  
*Farmersville*, David Clappison, J W Germain  
*Newburgh*, Charles Fish; I B Aylesworth, Supernumerary  
*Sheffield*, William Biden  
*Hinchinbrook*, John D. Pugh  
*Storrington* ———  
 John Ryerson, Co-Delegate, Chairman

## BROCKVILLE DISTRICT.

*Brockville*, Richard Whiting  
*Prescott*, James Gray  
*Maitland*, Asnael Hurlbert, Edwin Peake  
*Perth*, David McDowell  
*Kemptville*, James Graener, Richard Keegan; Henry Shaler, Superannuated  
*McMilla*, Francis Coleman  
*Smith's Falls*, Sylvester Hurlbert.  
*Carlton Place*, Joseph Reynolds, Wm Braden  
*Packham*, John Armstrong, 2nd  
*Merrickville*, David Jennings  
*Ormsville*, John Howes, Robert Hobbs  
*Winchester*, Robert Browster  
*Sherbrooke*, David Hardie; A Adams, Superannuated  
 Asnael Hurlbert, Chairman.

## BYTOWN DISTRICT.

*Bytown*, Kennedy Creighton  
*Aylmer*, William McGill

*Richmond*, William Coleman, Henry Me Dowell  
*St Andrews*, Thomas W Constable, W Seales  
*L'Orignal*, William Moreton, Andrew Armstrong.  
*Carleton*, ———  
*Lochaber*, William Burns  
*Osgood*, William M Puttysen.  
*Gutlineau*, Silas Huntington  
*Glavenham & Portage du Rite*, Luther Houghton  
*Westmeath*, Richard Hammond  
*Huntley*, Thomas McMullen  
*Greenville*, ———  
 Kennedy Creighton, Chairman

## CANADA EAST DISTRICT.

*Montreal Centre*, Wellington Jeffers  
*Montreal East*, William Scott  
*Montreal West*, James H Bishop  
*Quebec*, W Pollard  
*Point Levi* ———  
*Three Rivers*, Charles De Wolf, A M  
*Rawdon*, Ernestus Hurlburt  
*St John's*, John Carroll  
*Shanably*, John Douglas, Supernumerary  
*Odell Town and Hemmingford*, James Brock, J S Evans  
*Huntington*, Isaac Barber  
*Russelltown*, Richard Wilson  
*Stevensonville*, Henry Lanton  
*St Armands*, James Norris  
*Dunham*, Rufus A Flanders, Samuel E Phillips; E S Ingall, Supernumerary  
*Sheffield and Granby*, Gifford Dorey, Barnabas Hitchcock  
*Stanstead*, John Tomkins  
*Hatley and Compton*, John B Selley  
*Chateaufort*, ———  
*Sherbrooke*, Benjamin Slight, A M  
*Edon*, Robert Graham  
*Dudswell* ———  
*McBourne*, Malcolm McDonald  
*Dunville*, ———  
*Leeds*, John Armstrong  
*Chaudiere*, ———  
*Gaspere*, ———

## HUDSON'S BAY AND ROCKY MOUNTAINS.

*Norway House, Lake Winnipeg*, Thos. Hurlburt  
*Oxford House*, Robert Brooking  
*La Plaine*, Allen Salt  
*Edmonton & Rocky Mountains*, Henry Steinhour  
 Thomas Hurlburt, Chairman

## Methodist New Connection.

Conference meets in London, 1st Wednesday in June, 1855  
 Rev. J H Robinson, General Superintendent of the Mission, Toronto;  
 Rev W McClure, Assistant Superintendent of the Mission, Hamilton;  
 Thomas Lothridge, Treasurer, Hamilton;  
 William R H Brett, Financial Secretary, Toronto; Michael Aikman, Missionary Secretary, and Secretary of the Conference, Hamilton

## LONDON DISTRICT.

*London*, J H Robinson, D Savage  
*Waterford*, James Bell; Ramage, Supernumerary  
*St Thomas*, B P Brown  
*Norwich*, Thomas Rump  
*Malahide*, Henry Wilkinson, T Haney, Supernumerary  
*Howard*, T M Jefferies  
*London North*, Walton Preston  
*Blanshard*, F G Weaver  
*Godrich Mission*, T O Adkins  
*Elfrid*, C Curry

*Chester*, T M Jefferies  
 J M Robinson, Chairman

## HAMILTON DISTRICT.

*Hamilton*, William McClure, J Brennan, Supernumerary  
*Amader*, Darius Bettes, J Hill, C Cope, Supernumerary  
*Wilton & Cund*, E Williams, F Haynes, Supernumerary  
*Barton*, James Shaw, C Childs, W Bothwell, Supernumeraries  
*Nassagawaga*, J C Watts  
*Waterloo*, J McAllister  
*Cuyuga*, J Vining  
*Lake Erie Mission*, ———  
 William McClure, Chairman

## OWEN'S SOUND DISTRICT.

*Arthur*, John Shilton  
*Durham*, A Clarke  
*Sydenham*, J Givlis  
*Southampton*, S Gundy  
 John Shilton, Chairman

## TORONTO DISTRICT.

*Toronto*, Thomas Goldsmith  
*Fortville*, W Tindall  
*Whitechurch*, J Coswell  
*Trafalgar*, J Simpson, R Johnston; T T Howard, Supernumerary  
*Caledon*, G Langford  
*Brook*, N C Gowan  
*Scott Mission*, J A Miller  
 Thomas Goldsmith, Chairman

## CAVAN DISTRICT.

*Cavan*, John Wilkinson  
*Maverca*, J Crawford, W Webb, W Robinson, Supernumerary  
*Newcastle*, A Wright  
*Prince Edward*, J Histon, J Scott  
 John Wilkinson, Chairman

## JOHNSTOWN DISTRICT.

*Lansdown*, W Barnett  
*Elizabeth Town*, D D Rolston  
*Oxford*, W Gundy  
*Crashy*, T Reid, J Doel  
*Drummond*, J Hales  
*Marlboro and Fitzroy*, J Baskerville  
 J. Hales, Chairman

## EASTERN DISTRICT.

*Stanstead* ———  
*Stukely* ———  
*Bolton*, F Hart  
*Dunham*, A Whitcomb  
*Henrysburgh*, ———  
*Patton*, T Ogden  
 J B Kershaw, Chairman

## Methodist Episcopal Church in Canada.

## BAY OF QUINTE CONFERENCE.

## BAY OF QUINTE DISTRICT.

James Gardiner, Presiding Elder  
*Hope Creek*, Eli Woodcock; T Lewis and J Gatehell, Superannuated  
*Cobourg*, W Graham  
*Brighton*, J F Wilson; S W Ladu, Superannuated  
*Percy and Seymour*, N H Howard  
*Sidney*, S Young; H H Johnson, Superannuated  
*Rawdon*, J A Rogers  
*Huntington and Etzeriv*, W A Sills;  
 D Brown Supernumerary  
*Consecon*, R Sanderson  
*Hallowell*, J G Ball  
*Milford*, T Plato

## KINGSTON DISTRICT.

B Smith, Presiding Elder  
*Kingston*, J P Sparrow

*Belleville*, W Bird; J H Johnson, General Agent for the Belleville Seminary; G I Betts  
*Tyendinaga*, H Williams, W E Norman; N D West, Superannuated  
*Napanee*, R Earl  
*Bay Quinte*, b W Blanchard; R Perry, Superannuated  
*Camden*, D Wilson  
*Waterloo*, J Tuke, A Mc Larren, D Perry, Superannuated  
*Wolf Island*, D F Hutchinson  
*Leeds and Escote*—

## AUGUSTA DISTRICT.

Alex Wright, Presiding Elder  
*Armstrongville and Brockville*, G Jones, P P Pomeroy  
*Elizabethtown*, H Lane  
*Croaby*, J Hill  
*Augusta*, W Brown; G Bissell, Supernumerary  
*Matilda*, E Orser; M Davy, Supernumerary  
*Rideau*, J W Sills  
*Bytown*, C Manson  
*Isabella Cheur and Eagenville*—D Pomeroy  
*Olivia and La Chute*, J D Bell; J McNally, Supernumerary  
*Winchester and Stormont*, D N Robinson

## NIAGARA CONFERENCE.

## TORONTO DISTRICT

J B Richardson, Presiding Elder  
*Darlington Circuit*, W Pirritte  
*Whitby*, R B Cook; C W Fraser, Supernumerary  
*Markham*, G Smith  
*Neomartlet*, T Robson  
*Yonge Street*, H Dockham; James Richardson, Superannuated  
*Toronto*, W D Brown  
*Aelson*, A L Thurstan, A M Archer; S Stewart, Supernumerary  
*Georgetown*, James Gillyay  
*Oakwood* —  
*Orangetown*, John Foster  
*Fergus*, Charles Taylor

## NIAGARA DISTRICT.

J W Jacobs, Presiding Elder  
*Hamilton and Barton*, James Curtis, J Morrison, Gideon Shepherd; Thos. Webster, Supernumerary  
*Niagara*, Henry Taylor; C Swcazy, Supernumerary  
*Welland* —  
*Rainham*, W Sutton  
*Canboro*, J Tufford  
*Gainsboro*, E Bartram  
*Salfleet*, J Hayward  
*Tuscorora*, C Bradshaw  
*Charlottesville*—John Wood; J Owen, Supernumerary

## LONDON DISTRICT.

G P Harris, Presiding Elder  
*London Station*, G Abbs; J Bailey, Supernumerary  
*London Circuit*, A Jones; D Culp and J Mitchell, Superannuated  
*Mailand* —  
*Stanley* —  
*St Mary's*, T Dawes  
*Southwold* —  
*Howard*, S Atkinson  
*Thames*, B Lawrence  
*Sandwich*, E Draper  
*St Clair*, O G Collamore  
*Bosauquet*, N Roy

## OXFORD DISTRICT.

E Bristol, Presiding Elder  
*Dumfries*, W F Lowe; B Markle, Su-

perannuated; B Brown, Supernumerary  
*Blenheim*, J Ormerod; W Cope, Supernumerary; N A Fraser  
*Oakland*, E Lounsbury  
*Norwich*, J Gibson  
*Oxford*, J Mc Lean  
*Dorchester*, A E Griffith  
*Embro*, J W Byam  
*Malahide*, L P Smith; C Pettys, Superannuated  
*Vienna*, W D Hughson  
*S Dunnett*, Agent for the Belleville Seminary

## HURON DISTRICT.

Wm Woodward, Presiding Elder  
*St Vincent*, L S Kerr  
*Arthur*, Wm Woodward  
*Kincardine*, J M Collins  
*Collingwood Harbour*  
*Durham*, W Campbell  
*Melancthon*,

## Primitive Methodist Church in Canada West.

Conference Assembly meets in Toronto, April 19, 1855  
 J Davidson, Galt, and W Lawson, Hamilton, Corresponding Secretaries  
 Mr Robert Walker, Toronto, Missionary Treasurer

## TORONTO DISTRICT.

Toronto, F Barrass, J Natrass  
*Scarborough*, J Driffeld  
*Etobicoke*, J Garner, W Gledhill, W Jolley, Sup.  
*Markham*, J Lacey, R Cado  
*Laskey*, T Foster  
*Darlington*, J Edgar, R Paul  
*Albion*, J Simpson, J Markham  
*Reach and Scott*, W Lyle, D Gustolow, J G Montgomery  
*Kingston and Portland*, M Nichols, J Clark, J Milner, J Haldershaw

## HAMILTON DISTRICT.

*Brampton*, W Newton, W J Dean  
*Hamilton*, R Boyle  
*Wapole and Grant River*, T Adams, J R Stephenson, R Condlie  
*Blenheim*, R Poulter  
*Galt and Guelph*, J Davison, T Dudley  
*Orangeville and Brant*, W Lomas, R Stephenson  
*Pel and Wellesley*, J Ryder, F Fox, J Fowler, Sup.  
*Woodstock*, R Parsons  
*London*, W Stephenson  
*Paris and Brantford*, T Lawson

## Congregational Denomination.

The Annual Meeting of the Congregational Union of Canada will take place in Kingston on the second Wednesday in June, 1855.  
 Chairman of Union, W Clark, Simcoe;  
 Secretary and Treasurer, Kenneth M Fenwick, Kingston

*Albion and Granby*, N McLeod  
*Albion*, J Wheeler  
*Belleville*, H D Powis  
*Brantford*, John Wood  
*Brome*, Richard Miles  
*Orleton*, A Geikie  
*Colbourn*, Thomas Snell  
*Colpoy's Bay*, — Skye  
*Cold Springs*, W Hayden

*Danville*, A J Parker  
*Darlington*, John Chiuio  
*Durham*, D Dunkerley  
*Eaton*, R J Sherrill  
*Eramosa*, K J Williams  
*Esqueping*, J Armour  
*Georgetown & Trafalgar*, J Unsworth  
*Hawkesbury*, E Noble  
*Hamilton*, E Ebbs  
*Kingston*, K M Fenwick  
*Lanark*, 1st, R K Black  
*Lanark Village*, H Lancashire  
*London*, W F Clarke  
*Markham*, J B Robinson  
*Milbourne*, Thomas Hayne  
*Monticau*, J McMillan  
*Montreal*, 1st, H Wilkes, D D 2nd, F H Marling  
*Newmarket*, F Baker  
*Nottawassa*, N McKinnon  
*Ora and Lunisfil*, Al Raymond  
*Owen's Sound*, L Kribs  
*Paris and Burford*, J Vincent  
*Philipsburgh*, J Buckham  
*Pembroke*, G B Boucher  
*Port Sarnia*, James Hay  
*Port Stanley*, W Allworth  
*Quebec*, W H Hugh de Burgh  
*Russelltown*, George Ritchie  
*Saugen*, John Johnson  
*Scotland*, William Hay  
*Simcoe*, W Clark  
*Sherbrooke*, J Robertson  
*Springford*, H Donny  
*Southwold*, J Silcox  
*Stratford*, S Snider  
*Stouffville*, J Durrant  
*Stansfeld*, R V Hall  
*St Andrews*, A Simms, M A  
*Toronto*, J Reaf  
 Theological Institution, A Lillie, A Wickson, M A  
*Vaughan*, A J Jupp  
*Warwick*, D McCallum  
*Whitby*, J T Byrne  
 Without charge:—S King, J Ratt-ray, T Searight, T Ward, H Wilson

## Canada Christian Conference.

Conference meets at Oshawa on the last Thursday in June, 1855.  
 Thomas Henry, President; J W Collins Secretary, Newmarket  
*Oshawa*, Thomas Henry, J R Hoag  
*Brougham*, J W Sharard  
*Hampton*, B F Perry  
*Bowmanville*, Jesse Vancamp  
*Oron*, Hyram Hayward  
*Castleton*, Elisha Alger  
*Grafton*, J W Noble, W Noble, J L Russ, B L Bradley, Francis Crowder  
*Gormley's Corners*, John Macleum  
*Newmarket*, H H Willson  
*Queensville*, Squire Maston  
*Keswick*, Jesse Tatton, E P McMillan  
*Stratfordville*, John Earl  
*Kettleby Mills*, Wm Meredith  
*Baltimore*, Nathaniel Earl  
*Brooklyn*, L C Thomas, C W Colston  
*New Hope*, W Henry, F B Rolf  
*Scotland*, Charles Hayner  
*Burgessville*, Sylvanus Nicholls  
*Beverley*, Joseph Godkin  
*Meadville*, T C Moulton

## Bible Christian Church in Upper Canada.

In connection with the Bible Christian Church in England. Next Annual Meeting to be held at \_\_\_\_\_ to commence the first Wednesday in June, 1855.

*Colbourn*  
*ward*  
*Peterborough*  
*Hunting*  
*Doble*  
*Hungerford*  
*Darlington*  
*Hayes*  
*Mariposa*  
*Pickering*

*Mitchell*  
*Urborn*  
*Ebbot*  
*Clunton*  
*London*,

## Baptist

*Ancaster*  
*Arthur*  
*Augusta*  
*Aylmer*  
*Barnston*  
*Bastard*  
*Bayham*  
*Bosauquet*  
*Berlin*, I  
*Exbury*, J  
*Hinbrook*  
*Blanchard*  
*Blenheim*  
*Bloomsh*  
*Boston*, C  
*Bosauquet*  
*Brampton*  
*Brantford*  
*Bredalton*  
*Brighton*  
*Brockville*  
*Brome*, J  
*Brook*, A  
*Canboro*  
*Carlton*  
*Chatham*  
*Cheltenham*  
*Cramah*  
*Croby*, E

## PORTS.

*Amherst*  
*Amherst*  
*Bath*, . . .  
*Beauce*, . . .  
*Belleville*  
*Brantford*  
*Brighton*  
*Brockville*  
*Bruce*, . . .  
*Bytown*,\*  
*Chatham*,  
*Chippewa*  
*Clarenceville*  
*Colbourn*,\*  
*Cornwall*,  
*Coteau du*  
*Dalhousie*  
*Dickenson*  
*Dunnville*  
*Dundee*, . .  
*Elgin*, . . .

COBOURG DISTRICT.

*Cobourg*, J H Eynon, Chairman, J Edwards, J Langdon  
*Peterboro*, W Hooper, J Hodgson  
*Huntingford and Seymour*, T Green, A Dobbs  
*Hungerford*, Henry Stevens  
 BOWMANVILLE DISTRICT.  
*Darlington*, P Robins, Chairman; G Hayercroft, N Rodd, J Hughes  
*Mariposa*, A Morris, J Pinch  
*Pickering*, J B Tapp

HURON DISTRICT.

*Mitchel*, J Williams, J Beyington  
*Urbano*, R Hurley, Chairman; II Ebbott  
*Clinton*, J Dix  
*London*, R L Tucker

**Baptist Denomination.**

*Ancaster*, Vacant  
*Arthur*, Alexander Stewart  
*Augusta*, Vacant  
*Aylmer*, Joseph Clutton  
*Barnston*, James Green  
*Bastard*, Hugh Nicol  
*Bayham*, II A Conrad and J Crosssett  
*Bonnaville*, William Howson  
*Berlin*, Henry Schuider  
*Bawery*, George Patton  
*Bimbrook*, Job Moxom  
*Blanshard*, W M Ballery  
*Blenheim*, David Currie  
*Bloomsburgh*, James Stothard  
*Boston*, C W Thos R Owen  
*Bosunquet*, J Williams and A Chute  
*Brampton*, Vacant  
*Brantford*, Thomas L Davidson  
*Bredalbane*, William K Anderson  
*Brighton*, Vacant  
*Brockville*, Peter Schofield, M D  
*Bronte*, John Oakley  
*Brock*, Alexander McIntyro  
*Camburo*, Daniel Way  
*Carleton Place*, Lawrence Holcroft  
*Chatham*, A Campbell & II H Hawkins  
*Cheltenham*, Hugh Reid  
*Cranake*, Vacant  
*Crosby*, E McCarthin

*Dorchem*, Isaac Elliott & Wm Smith  
*Dorchester*, Israel Marsh & J Gibson  
*Drummondville*, John Roberts  
*Dundas*, Isaac J Hoile  
*East Oxford*, Vacant  
*East Guilfimbury*, William Geary  
*Easthope*, Milne S Bazley  
*Eaton*, Archibald Gillies  
*Elmsley*, Duncan McNab  
*Esquesing*, John Clarke & T Pickard  
*Farmersville*, Vacant  
*Fingal*, Vacant  
*Flamboro East*, Job Moxom  
*Font Hill*, J Gundy  
*Fredericksburgh*, W Lako  
*Gananoque*, J Cheetham  
*Gosfield*, R Herrington  
*Goshen*, Mark W Hopkins  
*Grande Ligne*, L Normandau and C Roux  
*Guelph*, Vacant  
*Haldimand*, Daniel Wait  
*Hamilton*, A Booker & Rob Boyd, M A  
*Harford*, Jacob Vauloon, Senior  
*Henryville*, James N Williams  
*Houghton*, Vacant  
*Kemptville*, Vacant  
*King*, Walter Miller  
*Kington*, Thomas II Facer  
*Lawrenceville*, George Wilson  
*Leeds*, C E W Hulburt  
*Leeds*, C W Abel Stevens  
*Lobo*, William Wilkinson  
*Lochaber*, John Edwards  
*London*, Vacant  
*Malahide*, S McConnell  
*Markham*, A M Facey  
*McGillivray*, W George & Thos Paul  
*Middleton*, William McLellan  
*Montreal*, J Lillie, D D & Narcisse Cyr  
*Murray*, Vacant  
*Newmarket*, Vacant  
*Niagara*, F Lacy  
*Norwich*, Ephraim Smith  
*Oakland*, W Haviland  
*Oncida*, Z W Camfield  
*Orillia*, Vacant  
*Oro*, Hector McLean  
*Osgoode*, Daniel McPhail  
*Osnabruck*, Vacant  
*Paris*, A Cleghorn, M A  
*Pelham*, Vacant  
*Perth*, Robert Hamilton  
*Peterboro*, P Wilson & Hoyos Lloyd

*Pickering*, Edward Clark  
*Port Hope*, Vacant  
*Port Rowan*, George W M Carey  
*Port Sarnia*, George Watson  
*Randam*, Vacant  
*Raleigh*, Vacant  
*Rainham*, Vacant  
*Reach*, Wm Hurlhart and J Holman  
*Sandwich*, J Robinson and H Brown  
*Sedland*, John Winterbotham  
*Saturday*, A Sluder  
*Simeoz*, J Gundry and A Austin  
*St. Andrews*, John Dempsey  
*St. Catharines*, Joseph E Ryerson  
*St. George*, Elijah Clarke  
*St. Mary's*, C E, Louis Rousay  
*St. Pie*, Theodore Latleuer  
*St. Thomas*, D W Rowland  
*South Gower*, Vacant  
*South Totton*, Vacant  
*Stanley*, William Frazer  
*Stanbridge*, F N Jersey  
*Stanslead*, E Mitchell  
*Sydenham*, Peter McDonald  
*Tilsburgh*, Vacant  
*Thurlow*, Vacant  
*Thre*, James Pyper, D D, and W P Newman  
*Villa Nova*, Jacob Vauloon, Jr  
*Victoria*, Abram Duncan  
*Walpole*, Thomas Stillwell  
*Waterford*, Aaron Slaght  
*Whitby*, John Gerrie  
*Windham*, Vacant  
*Woodstock*, James Cooper  
*Woodwich*, James Sim  
*Yarmouth*, A Smith and Thos Mills  
*Yonge Street*, J Gooderham  
*Zone Mills*, C McDermaid  
*Zorra*, Vacant

*Ministers without Pastoral Charges.*—  
 Francis Pickle, Blenheim; J Harris, Mount Pleasant; Saml Read, Brantford; William Jackson, Brantford; Simeon Rouse, Bayham; Jacob Goble, Townsend; S. Baker, Hinerant; Alexander Lorimer, Toronto; George J Ryerse, Woodhouse; Thomas II. Thompson, Hinerant; Jos Painter, Onongaga; H. Fitch, Hinerant; D A Turner, McGillivray; E. Topping, West Oxford; W H Landon, Woodstock; Joseph Woods, Newmarket.

COLLECTORS OF CUSTOMS, CANADA.

Those marked thus\* are Warehousing Ports.

PORTS.	COLLECTORS.	PORTS.	COLLECTORS.	PORTS.	COLLECTORS.	PORTS.	COLLECTORS.
Amherst.*	J. J. Fox.	Fort Erie.		New Castle, late		Port Sarnia,*	R. E. Vidal.
Amherstburgh.*	E. Anderson.	Freelghsburgh.	A. Kemp.	Bond Head.	W. Riekey.	do Stanley.*	R. Smith.
Bath.	W. J. Fairfield.	Gananoque.	Wm. Brough.	Oakville.	R. K. Chisholm.	do Rowan.	G. J. Reade.
Beauce.	T. Taschereau.	Gaspé.	J. C. Belleau.	Oshawa.	C. Walsh.	Porton.	J. H. McVay.
Belleville.*	S. S. Finden.	Goderich.*	D. Lawson.	Owen's Sound.	W. Stephens.	Queenston.*	P. B. Clement.
Brantford.*	D. Curtis, Jr.	Grafton.*	S. S. Walsh.	Penetanguish's.	W. Shupson.	Quebec.*	J. W. Dunsecomb.
Brighton.	J. R. Yielding.	Hamilton.*	J. Davidson.	Phillipsburg.	P. P. Russell.	Russelltown.	J. Davidson.
Brockville.*	W. B. Simpson.	Hallowell or		Prescott.	A. Jones.	Riviere aux	
Bruce.	J. J. Penefather.	Pictou.*	J. P. Roblin.	Port Burwell.	J. P. Bellairs.	Raisins.	W. Robinson.
Bytown.*	Dun. Graham.	Hemmingford.	C. N. Johnson.	Port Cramahe.		Rondeau.	George Duck.
Chatham.*	W. Cosgrove.	Hereford.	R. Vincent.	Port of Sauzeon.	J. McLean.	Sandwich.*	J. F. Elliott.
Chippewa.*	F. H. Haycock.	Huntingdon.	Jas. Botham.	do Trenton.*	A. Macaulay.	Sault Ste. Marie.*	Jos. Wilson.
Clarenceville.	Chs. Stewart.	Kingston.*	Jas. Hopkirk.	do Coaticook.*		Stantead.	J. Thompson.
Cobourg.*	W. H. Kitson.	Lacolle.	T. Gordon.	do Credit.	J. McCarrol.	Sutton.	B. Seaton.
Cornwall.*	G. C. Wood.	L'Isle Verte.	J. W. Heath.	do Colborne.*	T. Parke.	St. Regis.	W. B. Gwyn.
Coteau du Lac.		Maitland.*	D. Jones.	do Darlington.	D. Fisher.	St. Johns.*	W. B. McCrae.
Dalhousie.		Maria Town.	A. McDonnell.	do Bathousie.*	J. Clark.	Stamford.	G. McMeicken.
Dickenson's L'g. R. H. Bullock.		Montreal.*	T. Bouthillier.	do Dover.*	E. Webster.	Toronto.*	W. F. Meudell.
Dunnville.	W. B. Sheehan.	Napanee.	Henry Acton.	do Dundas.*		Wallaceburgh.	John Bell.
Dundee.	J. Cameron.	Niagara.*	T. McCormick.	do Hope.*	M. Whitehead.	Wellington.	T. Worthington.
Elgin.	A. McMillan.	New Carlisle.	John Fraser.	do Milford.	J. Verner.	Whitby.*	W. Warren.

## MUNICIPALITIES, CANADA WEST.

The following tables, under the heads of the Counties and Union of Counties, supply the latest and most important information regarding the Municipalities of Canada West. The area in acres, the population and assessed value of property in each Municipality is given, excepting that for Kent, the records of which County were unfortunately, lately, destroyed by fire. The various County Officers, Reeves, Deputy Reeves, Treasurers, Clerks, with their addresses, are also given.

### I. BRANT.

Acres, 259,710; Population in 1852, 25,426; Assessed Value of Property in 1854, £1,190,916 12s. 2d.; County Town, Brantford. Sends two Members to Parliament, being divided into two Ridings, called the East and West Ridings. Warden, Eliakim Malcolm, Esq.; Treasurer, Hamilton Diggar; Clerk, John Cameron; Solicitor, do; Surveyor, none appointed; Auditors, James Wilkes and Roger Carton.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1854.	REEVE.	DEPUTY REEVE.	TREASURER.	CLERK.
Brantford (Town) .....	.....	3877	£344,090	Daniel McKelvie .....	W. Mathews .....	George Varty .....	Geo. Varty .....
Paris (Village) .....	.....	1890	12595	Hiram Capron .....	.....	C. N. Desworth .....	F. N. Desworth .....
Brantford .....	66031	6410	48,070	Hiram Phelps .....	John Tennant .....	R. R. Strobridge .....	H. A. Hardy .....
Barford .....	115702	4153	21,569	C. S. Perley .....	J. B. Henry .....	John Carton .....	Robert Hunter .....
Dumfries South .....	47,000	4297	27,993	Daniel Anderson .....	Wm. Mullen .....	John McNaught .....	John McNaught .....
Oakland .....	10451	840	52,983	E. Malcolm .....	.....	John Joyne .....	John Joyne .....
Onondaga .....	10850	1858	108812	W. N. Alger .....	.....	R. Hardsman .....	W. D. Sales .....
Tuscarora .....	.....	.....	.....	.....	.....	.....	.....

(This Township, which in the year 1852 contained a population of 1821, is exclusively an Indian Reservation, without municipal institutions.)

### II. CARLETON.

Acres, 574,520; Population, 31,882; Assessed Value of Property in 1852, £1,027,270; County Town, Bytown. The County of Carleton and the Town of Bytown send one Member each to the Provincial Parliament. Warden, William F. Powell, Bytown; Treasurer, Daniel O'Connor, Bytown; Clerk, Charles Hammett Pinhey, Bytown; Auditors, H. V. Noel and George R. Burke, Bytown.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1852.	REEVE.	DEPUTY REEVE.	TREASURER.	CLERK.
Fitzroy .....	62408	2087	£722,940	James Hubbard, Hubbard's Falls .....	.....	R. Harris, Hubbard's Falls .....	Robert Elliott, Hubbard's Falls .....
Goulburn .....	75800	2525	56559	Thomas Garland, Ashton .....	.....	Carlton Cathcart, Richmond .....	Carlton Cathcart, Richmond .....
Gower, North .....	24320	1777	54483	Robert Craig, North Gower .....	.....	Robert Graham, North Gower .....	James Craig, North Gower .....
Gloucester .....	62000	2005	60000	Peter Tomkins, Bytown .....	.....	Samuel Billings, Bytown .....	F. Doney, Gloucester or Bytown .....
Huntley .....	62000	2005	29657	Henry McBride, North Huntley .....	.....	Isaac Brown, Gloucester .....	John Feuton, North Huntley .....
March .....	2820	1125	18904	Hon. H. Pinhey, March .....	.....	George Morgan, South March .....	George Morgan, South March .....
Port Hope .....	2280	542	13000	James Grieson, Port Hope .....	.....	Thomas G. Sumerville, Port Hope .....	Thomas G. Sumerville, Port Hope .....
Marlborough .....	64000	2053	37600	William McKee, Richmond .....	.....	St. Montaguery, Marlborough .....	Edward Mills, Marlborough .....
Osgoode .....	9120	3060	78002	Arthur Allan, West Osgoode .....	.....	Daniel McIntosh, Osgoode .....	Thomas Bailey, Osgoode .....
Napan .....	66000	3800	92496	John Scott, Bytown .....	.....	George Arnold, Bell's Corners .....	Thomas Stapleton, Bell's Corners .....
Bytown, (Town) .....	.....	.....	51064	Wm. F. Powell, Bytown .....	.....	Edward Mass, Bytown .....	Edward Mass, Bytown .....
Richmond (Village) .....	.....	424	1555	W. R. E. Lyon, Richmond .....	.....	.....	Thomas Miller, Richmond .....

### III. ELGIN.

Acres, 427,403; Population in 1852, 25,418; Assessed Value of Property in 1853, £1,206,195, in 1854, £1,494,036; County Town, St. Thomas. The County sends two Members to the Provincial Parliament. Warden, Thomas Lockyer, Aylmer; Treasurer, Henry Black, St. Thomas; Clerk, Thomas Lockyer, Aylmer.



March	2820	1125	1804	Mon. H. Pinhey, March	George Morgan, South March	Thomas G. Sumerville, Torbolton
Torb. Hon.	2580	542	1300	James Grierson, Torbolton	Thomas G. Sumerville, Torbolton	Thomas G. Sumerville, Torbolton
Marlborough	6400	2553	3760	William McKee, Richmond	G. Montgomerie, Marlborough	Thomas Mills, Marlborough
Osgoode	9120	2650	7802	Arthur Allen, West Osgoode	J. Lee Osgoode	Thomas Fairley, Osgoode
Napanee	6500	2800	9206	John Scott, Bytown	George Arnold, Bell's Corners	Thomas Stapleton, Bell's Corners
Bytown (Town)	8239	2439	51654	Wm. F. Powell, Bytown	Edward Burke, Bytown	Edward Burke, Bytown
Richmond (Village)	644	1448	1448	W. R. Lyon, Richmond	Edward Mass, Bytown	Thomas Miller, Richmond

## III. ELGIN.

Acres, 427,403; Population in 1852, 25,418; Assessed Value of Property in 1853, £1,206,195, in 1854, £1,494,026; County Town, St. Thomas. The County sends two Members to the Provincial Parliament. Warden, Thomas Locker, Aylmer; Treasurer, Henry Black, St. Thomas; Clerk, William McKay, St. Thomas; Auditors, G. T. Clarke and Mathew Childs, St. Thomas.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1854.	REEVE.	DEPUTY REEVE.	TREASURER.	CLERK.
Aldborough	67000	1246	1114-13	Duncan McCall, Wardsville		Hector Paterson, Aldboro	George Munro, Aldboro
Bayham	55792	5092	15599	James Weaver, Wardsville		William Vetch, Wardsville	William Hatch, Wardsville
Dorchester South	36314	1477	75546	John Gregory, Belmont		H. Roberts, Temperanceville	M. Fullerton, Aylmer
Dunwich	97194	1948	137582	John Clark, Port Talbot		Malcolm Campbell, Iowa	Robert March, Iowa
Malbidge	62578	4050	292175	Thomas Locker, Aylmer		P. Hedgeson, Aylmer	P. Hedgeson, Aylmer
Southwell	71725	5063	245520	Levi Fowler, Fingal		Robert Blackwood, Fingal	Frank Carpenter, Fingal
Yarmouth	71000	5288	338301	Randolph Johnson, Union		W. J. White, St. Thomas	A. O'Leary, New Arcum
St. Thomas (Town)	440	1271	13800	David Parish, St. Thomas		James Stanton, St. Thomas	James Stanton, St. Thomas
Vienna (Village)	1200		82400	John Alexander, Vienna		H. A. Gustin, Vienna	H. A. Gustin, Vienna

## IV. ESSEX.

Acres, 433,300; Population, 16,817; Assessed value of Property in 1853, £656,087, in 1854, £584,554, exclusive of the Town of Amherstburg; County Town, Sandwich. Essex sends one Member to the Provincial Parliament. Warden, John Sloan, Anderton; Treasurer, George Bullock, Sandwich; Clerk, J. H. Wilkinson, Sandwich; Surveyor, P. S. Donnelly, Sandwich; Auditors, P. H. Morrin and P. J. Salter, Sandwich.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1854.	REEVE.	DEPUTY REEVE.	TREASURER.	CLERK.
Anderton	25500	1109	225900	John Sloan, Anderton		C. Forster, Amherstburg	J. E. Macquire, Amherstburg
Colchester	62000	1870	63718	C. R. Quick, Colchester		L. Thomson, Colchester	Lennox Thomson, Colchester
Gosfield	50600	1802	71697	Henry Scrabed, Gosfield		M. Wigle, Kingville	James King, Kingville
Maldstone	47400	1167	42987	A. Peltio, Maldstone		J. H. Wright, Maldstone	Thomas Thomson, Maldstone
Malden	22000	1315	55574	H. Wright, Amherstburg		P. Wilkinson, Mersa	H. Wright, Amherstburg
Mersa	50400	1163	56390	T. Mahot, Mersa		J. Quinette, Belle River	Jonathan Wiegand, Mersa
Rochester	32200	788	22365	Wm. Flanagan		L. St. Amour, Sandwich	F. Graham, Belle River
Rochester	32200	788	14780	D. Langlois		L. Chovin, Coulter	D. Moynihan, Sandwich
Tilbury West	72000	4228	18286	P. Desjardins		W. Cousins, Amherstburg	W. Nicholson, Coulter
Amherstburg (Town)	4000	675		P. Menzies		T. E. Trew, Windsor	T. E. Trew, Windsor
Windsor (Village)		1880	36735	S. S. Macdonell			

## V. FRONTENAC, LENOX, AND ADDINGTON.

United Counties. Acres, Frontenac, 838,940; Acres, Lenox, 108,000; Acres, Addington, 368,700—Total Acres, 1,315,640; Population of Frontenac, exclusive of Kingston City, 19,150; Population of Lenox, 7,955; Population of Addington, 15,165; Total Population, exclusive of Kingston City, 42,270; Assessed value of Property in 1852, £1,776,087; in 1853, £1,834,475; County Town, City of Kingston; Population of do., 11,585. Frontenac sends one Member, Lenox and Addington united, one Member; and the City of Kingston, one Member, to the Provincial Parliament. Warden, David Roblin, Napanee; Treasurer, W. Ferguson, Kingston; Clerk, George H. D'Alor, Kingston; Superintendent of Roads and Engineer, D. C. Smith, Mill Creek Post Office; Auditors, James O'Reilly and Thomas Glassup, Kingston.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1852.	REEVE.	DEPUTY REEVE.	TREASURER.	CLERK.
<i>Prometac.</i>							
Bedford.....	85700	1118	£18768	J. McTaggart, West Port .....	.....	James Kehoe, West Port .....	James Kehoe, West Port .....
Olden and.....	47200			John Ashley, Kingston .....	Robert Gibson, Waterloo .....	Dr. H. Yeomans, Kingston .....	Dr. H. Yeomans, Kingston .....
Oso .....	68800	5235	27219	Charles Jorner, Loughborough .....	.....	Thomas Bailie, Loughborough .....	John Walsh, Loughborough .....
Loughborough.....	55300	2003	75150	John B. Marks, Kingston .....	J. Birmingham, Kingston .....	W. Ferguson, Kingston .....	R. Breeze, Kingston .....
Pittsburg .....	46900	3258	87400	.....	.....	.....	.....
Howe Island .....	8400			.....	.....	.....	.....
Portland and .....	75000	2385	91878	A. Day, Spike's Corner .....	.....	W. D. Wartman, Spike's Corner .....	A. Spike, Spike's Corner .....
Hinchbrooke .....	73500	364		.....	.....	.....	.....
Storrington .....	50800	2130	71761	John McGrath, Storrington .....	.....	Sam. Campbell, Storrington .....	Hugh Spring, Storrington .....
Wolfe Island .....	30600	2654	98180	D. D. Calum, Wolfe Island .....	.....	Michael Baker, Wolfe Island .....	M. O'Neill, Wolfe Island .....
Barrie, 66,800 acres; .....	Claren don 57 200 acres; Ken .....			.....	67200 Acres. Uninhabited.	.....	.....
<i>Lenox.</i>							
Adolphustown .....	10800	715	52220	J. P. Dorian, Adolphustown .....	.....	R. Clapp, Adolphustown .....	S. D. Haight, Adolphustown .....
Federicksburgh.....	40000	3166	18510	R. Ham, Hamburgh .....	Philip Edgar, Lenox .....	W. Gernat, Lenox .....	Ira Ham, Hamburgh .....
Richmond .....	51200	4071	14317	David Roblin, Napanee .....	John Stevenson, Napanee .....	W. V. Detlor, Napanee .....	W. V. Detlor, Napanee .....
<i>Amherst Island.</i>							
Amherst Island .....	16500	1287	52220	I. Byes, Amherst Island .....	.....	R. Burleigh, Amherst Island .....	R. Burleigh, Amherst Island .....
Camden .....	74000	6975	24329	A. F. Hooper, Clarke's Mills .....	R. F. Hope, Newburgh .....	— McKim, Centreville .....	I. MacEgan, Newburgh .....
Ernestown .....	62800	5111	34378	Sidney Warner, Wilton .....	E. Perry, Elginville .....	P. Zimmerman, Mill Creek .....	R. Aylsworth, Mill Creek .....
Sheffield .....	81000			.....	.....	.....	.....
Anglesa .....	67200	17	40920	John Murphy, Tamworth .....	.....	J. Seldon, Tamworth .....	P. Gafney, Tamworth .....
Kahar .....	67200			.....	.....	.....	.....

## VI. GREY.

Acres, Grey, 1,057,105; Peninsular, 458,800—Total Acres, 1,485,905; Population, 1500: Assessed Value of Property in 1852, £342,724; County Town, Sydenham, Owen Sound. Grey sends one member to the Provincial Parliament. Warden, Richard Carney, Sydenham, Owen's Sound; Treasurer, Frederick Lepau, do.; Clerk, George James Gale, do.

Note.—To this County belongs that portion of the Peninsular Tract of Land, known as the Indian Reserve, and situated between a line drawn northward from the North East angle of Arran and the North West angle of Derby, until it strikes Colpo's Bay, on the East side of the Indian Village, and the waters of the Georgian Bay, together with the Islands contiguous thereto.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1852.	REEVE.	DEPUTY REEVE.	TREASURER.	CLERK.
Artemesia.....	70000	733	£6756	W. K. Fleisher .....	.....	Richard Campbell .....	Richard Campbell .....
Bentick .....	68002	1272	26500	George Jackson .....	.....	Robert Stewart .....	Robert Stewart .....
Collingwood.....	68200	365	25000	J. D. Olmstead .....	.....	McElroy .....	John McElroy .....
Derby .....	37574	757	19925	Hugh Coulter .....	.....	Thomson .....	Thomas Thomson .....
Holland .....	77347	954	23000	John Allen .....	.....	F. McFadden .....	F. McFadden .....
Osprey .....	70 77	486	3000	Sir J. D. H. Bay, Bart .....	.....	James Gilson .....	James Gilson .....
Sullivan .....	73791	558	8284	Thomas Pringle .....	.....	Christie .....	C. Christie .....
Sydenham .....	78569	2432	97500	Richard Carney .....	William McDonald .....	James Ross .....	W. McKenzie .....
St. Vincent .....	65000	1601	48560	Essie F. Purdy .....	.....	John Williams .....	John Williams .....
Euphrasia .....	72000	993	25000	James Kerr .....	.....	Graham Wilson .....	Graham Wilson .....
McIntosh and .....	73800	450	9287	James Beachell .....	.....	Peter Daley .....	Peter Daley .....
Proton .....	69120	539	12000	James Lackey .....	.....	John Guibag .....	John Guibag .....
Normanby .....	75292	665	12000	James Doyle .....	.....	Benjamin Robins .....	Benjamin Robins .....
Exmouth .....	68969	1250	25872	James McIntire .....	.....	John Moodie .....	John Moodie .....
Glencol .....	.....			.....	.....	.....	.....

## VII. HALDIMAND.

Acres, 293,594; Population 18788; Assessed Value of Property in 1853, £941,035; County Town, Cayuga. Haldimand sends one Member to the Provincial Parliament. Warden, L. J. Weatherby, Dunnville; Treasurer, A. P. Farrell, Cayuga; Clerk, J. G. Stevenson, Cayuga; Auditors, R. V. Griffith, Cayuga, and Michael Haldimand, Cayuga.

## VII. HALDIMAND.

Acres, 293,594; Population 18788; Assessed Value of Property in 1853, £941,035; County Town, Cayuga. Haldimand sends one Member to the Provincial Parliament. Warden, L. J. Weatherby, Dunnville; Treasurer, A. P. Farrell, Cayuga; Clerk, J. G. Stevenson, Cayuga; Auditors, R. V. Griffith, Cayuga, and Michael Harcourt, York.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1853.	REEVE.	DEPUTY REEVE.	TREASURER.	CLERK.
Canborough .....	21503	1151	£67780	Barton Farr, Dunnville.....	.....	John Folmsbee, Canborough .....	William J. Cates, Dunnville
Cayuga North .....	30067	2013	93790	Wm. Deew, Decewville.....	.....	Robert V. Griffith, Cayuga.....	Rob. V. Griffith, Cayuga
Cayuga South .....	12950	824	33098	Wm. Cook, South Cayuga.....	.....	George Webster, South Cayuga.....	George Webster, South Cayuga
Caledonia (Village) .....	546	.....	72480	A. Scobie, Caledonia.....	.....	Duncan Peterson.....	James A. Patterson
Dunn.....	18000	828	44811	G. Geo. Docker, Dunnville.....	.....	Francis Ramsay, Dunnville.....	John Martin, Dunnville
Moulton and Sherbrooke .....	29157	2518	116762	L. J. Weatherby, Dunnville.....	.....	James Stewart, Seneca.....	Henry J. Rice
Oneida .....	35513	2817	89183	Martin Gill, Decewville.....	.....	J. P. Smith, Ramham Centre.....	W. Jones, Ramham Centre
Ramham .....	25942	1018	96480	A. Overholt, Ramham Centre.....	.....	Dennis Young, Indiana.....	Wm. Hursell, York
Seneca .....	40622	3686	132447	Edward Baker, York.....	.....	John Harsman, Bismarck.....	John Harsman, Bismarck
Walpole.....	65924	3583	194193	Geo. Hushand, Hagarville.....	.....	James Sill, Jarvis.....	.....

## VIII. HASTINGS.

Acres, 847,800; Population, 31,977. Assessed Value of Property in 1853, £1,323,262; County Town, Belleville. Hastings sends two Members to the Provincial Parliament. Warden, George Benjamin, Belleville; Treasurer, F. McAnanny, Belleville; Clerk, Thomas Willis, Junior, Belleville. Surveyor, James Jamieson; Auditors, T. Willis, Senior and Peter Robinson.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1853.	REEVE.	DEPUTY REEVE.	TREASURER.	CLERK.
Belleville, (Town) .....	91200	4509	£240535	Bella Flint, Belleville.....	.....	Alexander Judd, Belleville.....	R. M. Roy, Belleville
Hungerford .....	59004	3124	70051	G. Benjamin, Belleville.....	.....	J. Harrison, Hungerford Mills.....	R. Sanderson, Hungerford Mills
Huntingdon.....	68206	2348	68168	George Graham, Moira.....	.....	Thomas Watson, Moira.....	James J. Ryan, Moira
Madoc .....	68206	2761	69175	Jephthah Bradshaw, Madoc.....	.....	Edward Muncey.....	James McDonnell, Madoc
Eleveir and .....	68206	635	29000	Wm. Campion, Marmora.....	.....	Scriffie.....	Wm. Inkster, Marmora
Marmora .....	68206	3097	111784	Wm. Baker, Stirling.....	.....	J. M. Ward.....	Thomas Douglass, Stirling
Rawdon.....	67400	4574	257529	Calch Gilbert, Sidney.....	.....	J. S. Huffman, Belleville.....	Thomas D. Farley, Belleville
Sidney .....	70200	4469	240379	George Phillips, Canolf Mills.....	.....	S. M. Washburn.....	Isaac Denike, Belleville
Thurlow .....	57000	6200	179482	N. S. Appleby, Shannonville.....	.....	W. Frizell.....	T. D. Appleby, Shannonville
Tyendinaga .....	92800	.....	48159	Elisah Meyers.....	.....	Francis Endlish, Shannonville.....	Jeremiah Shumous, Trenton
Trenton (Village) .....	68209	.....	habd.	.....	.....	Samuel Cooley.....	.....
Lake .....	68209	.....	.....	.....	.....	.....	.....
Grimsthorpe .....	68200	.....	.....	.....	.....	.....	.....

## IX. HURON AND BRUCE.

United Counties: Acres, Huron, 892,769; Acres, Bruce, 634,764—Total Acres, 1,527,533; Population in 1852, Huron, 19,208; Bruce, 2837—Total Population, 22,045; Assessed Value of Property in 1853, Huron, £839,707; Bruce, £61,461—Total Assessed Value of Property, £901,168; County Town, Goderich. The United Counties send one Member to the Provincial Parliament. Warden, John Strachan, Goderich; Treasurer, George Brown, Goderich; Clerk, David Hood Ritchie, Goderich or Bayfield; Surveyor, William Perceval, Goderich; Auditors, J. Halden and A. Ross, Goderich.

TOWNSHIP.	No. of Acres.	Pop. 1852.	ASSESSED 1853.	REVE.	DEPUTY REVE.	TREASURER.	CLERK.
Huron.							
Ashfield	64800	907	427-40	J. Hawkins, Jun., Port Albert		Thomas Hawkins, Port Albert	John Cook, Port Albert
Biddulph	2989	2681	47-95	John Atkinson, McGillivray		William Hodgins, McGillivray	James Partt, McGillivray
Colborne	337-40	921	45-21	William Young, Carleton		David Lawson, Goderich	David Lawson, Goderich
Goderich (Town)	15-29		77-1	John Strachan, Goderich		George Brown, Goderich	Thomas Kydt, Goderich
Goderich	556-68	2715	105-50	John Holmes, Goderich		John Shaw, Goderich	John Shaw Goderich
Hullett and Morris	528-22	955	57-50	Samuel H. Rance, Clinton		Robert Phillips, Clinton	James Allen, McKillop
Hay	557-47	995	48-04	Moses Johnson, Johnson's Mills		William Wason, Hay	William Wilson, Hay
McKillop and Grey	444-90	848	49-40	Robert Hays, McKillop			John O'Sullivan, McKillop
McGillivray	64016	1718	64-39	John Carbett, McGillivray		James Weanage, McGillivray	James Weanage, McGillivray
Stanley	452-51	2064	74-78	Ninian Woods, Bayfield		James Gardner, Bayfield	W. Wellington Connor, Bayfield
Sturgeon	584-41	742	44-50	Robert Walker, Devon		Joseph Rogers, Devon	Thomas Trivitt, Devon
Tuckersmith	414-36	1727	71-10	William Chalk, McKillop		William Muir, McKillop	William Muir, McKillop
Uxarnee	437-73	1484	52-96	David Kirk, St. Mary's		Budge, Hay	Thomas Taylor, Hay
Wawanosh	840-00	722	28-39	Charles Girvin, Wawanosh		William Durnior, Wawanosh	William Taylor, Wawanosh
Hawick and Turnberry	No Municipal		organization.				
Bruce.							
Arran and Elderslie	54833	149	44-96	Richard Bedford, Arran East			Archibald Ray, Arran West
Brant and Carrick	55775	14	37-2	Joseph Walker, Brant			Archibald McVicar, Brant
Greenock	70900	621	37-1	George Crozier, Riversdale		John McGregor, Riversdale	Archibald Fraser, Riversdale
Huron	59525		76-74	John Hunter, Pine River			J. W. Gamble, Pine River
Kincaid	58680	214	25-27	William Rastall, Kincaid			Charles R. Barker, Kincaid
Bruce and Kinless	58201	236	37-3	Alexander McNabb, Saugeen			James D. Cahry, Saugeen
Saugeen	60550	1149	117-1			James LeGear, Kincaid	
	67176	100					
	44583	47					
	46434	277					

## X. KENT.

Acres, 557,000; Population in 1852, 17,469; Assessed Value of Property in 1852, £496,579; County Town, Chatham. Kent sends one Member to the Provincial Parliament. Warden, James Smith, Dawn Mills; Treasurer, Alexander Charteris, Chatham; Clerk, Wm. Cosgrave, Chatham; Auditors, A. P. Salter and Samuel Poole, Chatham.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1852.	REEVE.	DEPUTY REVE.	TREASURER.	CLERK.
Camden and Zone .....	2580-1	1434	£496-3	James Smith, Dawn Mills			Joseph Mills, Zone Mills
Chatham .....	2900-0	1768	67-83	Samuel Arnold, Louisville			Richard Houston, Louisville
Chatham (Town) .....	678-0	3294	101-25	Archibald McKellar			Duncan McColl
Lower East and Lower West .....	81000	1723	481-60	Robert Mitchell, Wallaceburgh			Thomas W. Smith, Chatham
Hawthorn .....	584-00	2027	94-21	George Young, Hurwich	John McMichael, Blenheim		William Cosgrave, Chatham
Howard .....	584-00	2498	87-18	James A. Hollis, Morpeth	Alexander Sinclair, Morpeth		William Latimer, Morpeth
Grand .....	32000	1566	37-13	Francis Johnston, Charville			D. H. Gesner, Charville
Ravall .....	724-60	2460	71-54	Henry Ronalds, Chatham			Walter McCre, Chatham
Romey and Saugeen .....	27-100	16-23	30-17	Thomas Jackson, Romney			Thomas Renwick, Romney
				John Wilson, Tilbury East			James Smith, Tilbury East

## XI. LAMBTON.

Acres, 699,826; Population, 10,811; Assessed Value of Property in 1852, £596,942; in 1853, £643,176; County Town, Port Sarnia. Lambton sends one Member to Parliament. Warden, H. Glass, Port Sarnia; Treasurer, Alexander Vidal, Port Sarnia; Clerk, Alexander Scott, Port Sarnia; Auditors, J. H. Glass, Port Sarnia; J. H. Glass, Port Sarnia; J. H. Glass, Port Sarnia.

Thomas W. Smith, Chatham  
William Cosgrave, Chatham  
William Lalimer, Morpeth  
D. H. Gosper, Chatham  
Walter McCrea, Chatham  
Thomas Henwick, Romney  
James Smith, Tilbury East

John McMichael, Blenheim  
Alexander Sinclair, Morpeth  
John McMichael, Blenheim  
Alexander Sinclair, Morpeth  
John McMichael, Blenheim  
Alexander Sinclair, Morpeth

94521 George Young, Harwich  
87157 James A. Hollis, Morpeth  
37531 Francis Johnston, Chatham  
71541 Henry Ronalds, Chatham  
30317 Thomas Jackson, Romney  
John Wilson, Tilbury East

84000 1723  
88400 2927  
58400 2798  
32000 1566  
72400 2460  
27400 1623  
62600

## XI. LAMBTON.

**Acres, 699,826; Population, 10,811; Assessed Value of Property in 1852, £596,942; in 1853, £648,176; County Town, Port Sarnia. Lambton sends one Member to Parliament. Warden, H. Glass, Port Sarnia; Treasurer, Alexander Vidal, Port Sarnia; Clerk, Alexander Scott, Port Sarnia; Surveyor, John O'Meara; Auditors, Thomas Forsyth and George W. Thomas, Port Sarnia.**

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1852.	REVE.	DEPUTY REVE.	TREASURER.	CLERK.
Bosanquet	72926	1093	£58779	William Ketchum, Bosanquet.		Thomas Crawford, Bosanquet.	Charles Brebner, Pine Hill
Brooke and	74700	511	73576	James Stirling, Napier		Alexander McGregor, Brooke	George Shirley, Brooke
Emmiskillen	86900	238		William Boylan, Dawn Mills		Henry Boulton, Dawn Mills	John Adam Zone Mills
Dawn	79200	556	33170	John Fancher, Zone Mills		W. Moorhouse, Sutherland's Cor.	W. Clements, Sutherland's Cor.
Euphemia	39000	1453	41560	Peter McGlashan, Corunna		Charles McGlashan, Corunna	Alexander Sinclair, Moore
Moore	72400	1258	89735	George Hyde, Errol		George Whiting, Errol	Thomas Scott, Errol
Plympton	76400	1511	62492	Henry Glass, Port Sarnia		J. F. Davis, Port Sarnia	P. T. Poussett, Port Sarnia
Sarnia	32900	1384	94594	A. P. Toulmin, Sombra		Peter Cattaneach, Sombra	Wm. Paterson, Sombra
Sombra	91200	738	75526	George Harrower, Warwick		James Menery, Warwick	James Menery, Warwick
Warwick	74800	2069	70193				

Sombra includes Walpole Islands, St. Ann's Island, and the other islands at the mouth of the River St. Clair.

## XII. LANARK AND RENFREW.

**United Counties; Acres, Lanark, 755,000; Acres, Renfrew, 490,000—Total Acres, 1,245,000; Population of Lanark, 27,297; Population of Renfrew, 9,415; Total Population, 36,712; Assessed Value of Property in 1853, £866,627; County Town, Perth. The County of Lanark is divided into two Ridings, each of which sends one Member to the Provincial Parliament, and the County of Renfrew sends one other. Warden, John Dorace, Perth; Treasurer, W. H. Radenhurst, Perth (acting August, 1854); County Clerk, W. R. F. Berford, Perth; Auditors, William McNairn Shaw, and Thomas Brooke, Perth.**

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1853.	REVE.	DEPUTY REVE.	TREASURER.	CLERK.
<i>County Lanark.</i>							
Drummond		2648	£7372	Sutton Frizell		Henry McDonald, Perth	Thomas Brooke, Perth
Bathurst and South Sherbrooke		3555	6329	John Motherwell		Henry McDonald, do.	Francis H. Cousitt, Perth
Pakenham	25762	1808	41025	Young Scott	James Noonan	Thomas Ellis, Pakenham Village	John Connerly, Pakenham Village
Lanark	61868	2649	65511	Jean Waddell, Anderson		W. Robertson, Lanark Village	W. Robertson, Lanark Village
Perth		670		John Caldwell		James Watt, do.	James Watt, do.
Burgess North	2139	1110		Michael Stanley		Francis H. Cousitt, Perth	Francis H. Cousitt, Perth
Balbrone		4461	2607	James Smith		John McDougall, do.	Andrew McInnis, do.
North Sherbrooke, and		1948					
Larant		3376	6374	James Glibbly		Charles Vandusen, Kilmarlock	W. Ramsay, Kilmarlock
Montague	4131	2031	39284	Alexander Fraser	Peter Maitland	Robert Garry, Port Elmsley	W. B. Carroll, Smith's Falls
North Elmsley	5118	2540	79521	James Burrows		James Rosmond, Carlton Place	Even McKeown, Franktown
Beckwith	5941	3256	10478	John Scott		James Wylie, Waterford	David Campbell, Waterhead
Ramsay		1916	72650	John Dorace	Francis G. Hall	Thomas McCaffry, jun., Perth	Thomas Brooke, Perth
Perth						Robinson Harper, Smith's Falls	Robinson Harper, Smith's Falls
Smith's Falls							

\* This includes Smith's Falls.



TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1854.	REEVE.	DEPUTY REEVE.	TREASURER.	CLERK.
<i>County Renfrew.</i>							
McNab	36526	1513	32745	Duncan Campbell		John Forrest, McNab	Andrew Hamilton, McNab
Rees	17624	768	10867	Ephraim Olmstead		John Morton, Rees	P. Montgomery, Rees
Horton	10432	1142	35488	John L. McDougall		John McNab Horton	R. R. Wilson, Horton Village
Balog and Blythfield	15071	964	10011	Gerrard McCrea		John Wallace, Balog	William Halliday, Balog
Adamston	26500	689	8571	Eli Moore		W. Gibbons, Adamston	George Brown, Adamston
Bromley	13044	687	12431	Michael Mulligan		James Price, Bromley	do.
Westmeath	35713	1132	27670	Caleb S. Bellows		Henry Bryce, Westmeath	do.
Pembroke and Stafford	15352	914	39294	Alexander Moffat		Alex. Moffat Jun., Pembroke	Andrew Irvine, Pembroke
Brougham, Grattan, & Wilberforce*.	No Municipal organization.						

\* Wilberforce is now united to Bromley, and will be assessed this year.

### XIII. LEEDS AND GRENVILLE.

United Counties; Acres, Leeds, 515,400; Acres, Grenville, 269,280—Total Acres, 784,680; Population, Leeds, 30,390; Population, Grenville, 20,707—Total Population, 51,097. The whole Taxable Property, both Real and Personal, in the Township Municipalities for 1853, amounted to £1,851,269; in 1854, to £1,763,470, exclusive of the Towns of Brockville and Prescott. County Town, Brockville. Leeds and Grenville send four Members to Parliament: one for Brockville, including Township of Elizabethtown; one for South Riding of Leeds; one for North Riding of Leeds and Grenville; and one for South Riding of Grenville; Warden, Elenzer H. Whitmarsh, Brockville; Treasurer, James L. Schofield, Brockville; Clerk, James Jessup, Brockville; Surveyors—Grenville, Michael Kelly Merrickville; Leeds, Edward Robertson, Elizabethtown; Auditors, Walter Findlay, and John Green, Brockville.

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TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1854.	REEVE.	DEPUTY REEVE.	TREASURER.	CLERK.
<i>Leeds.</i>							
Bastard	13000	3448	£99,236	Philo Hicock, Beverly	Joseph Polk, Portland	R. D. Davison, Beverly	John Warren, Beverly
South Burgess	52300	276	215120	F. L. Lethorp, Brockville	W. B. McClean, Brockville	I. S. McClean, Brockville	G. S. McClean, Brockville
Brockville (Town)	3246	9246	36954	Benjamin Tell, Newboro	John Leggett, Newboro	A. D. Roe, Westport	W. Whelan, Westport
Crosby North	50200	1785	51004	Richard Preston, do.	Joseph T. Godkin	William Niblock, Brockville	John Leggett, Newboro
Crosby South	50200	1578	274414	Robert Piden	James Shanks, Kitley	Robert Graham, Smith's Falls	J. A. Brown, Brockville
Elizabethtown	73200	5208	30879	William Tweedy, Smith's Falls	James Shanks, Kitley	Robert Graham, Smith's Falls	Edward F. Weeks, Smith's Falls
Elmsley	20000	1442	93649	Hugh Ross, Kitley	Wm. Robinson, Gananoque	R. W. Ferguson, Kitley	R. W. Ferguson, Kitley
Kitley	50400	3525	116682	James Kirker, Gananoque	Wm. Robinson, Gananoque	Wm. Landon, Gananoque	Thomas Cheevers, Gananoque
Leeds and Landstown, Front	48063	3292	42892	Edward Green, Lyndhurst	Reuben Fields	Allan Sweet, Lyndhurst	John Kendrick, Lyndhurst
Ditto Rear	59000	1530	95247	Reuben Fields	Reuben Fields	Joseph L. Dousley, Escott	Joseph L. Dousley, Escott
Yonge and Escott, Front	85200	5080	81608	Aza Parish	William Flynn, Maitland	W. King	W. King
Ditto Rear					William Smail, Spencerville		
<i>Grenville.</i>							
Augusta	74000	5154	166450	William Garvey, Maitland	William Smail, Spencerville	William Penneck, Maitland	Philemon Penneck, Maitland
Edwardsburgh	67000	4779	109940	Allen Hunter, Spencerville	William Smail, Spencerville	Jared Shaver, Hick's Corners	T. Robertson, Edwardsburgh
Gower, South	21080	863	39484	John Grant, Hick's Corners	Lyman Clothier, Kempsville	Jared Shaver, Hick's Corners	Jared Shaver, Hick's Corners
Oxford	58000	4196	107216	Robert Kernalham, Kempsville	Lyman Clothier, Kempsville	Wm. Donnell, Kempsville	Robert Leslie, Kempsville
Prescott (Town)	2136		115710	Alexander McMillan, Prescott	W. Kirtland, Merrickville	John Ferguson, Prescott	Daniel McCarthy, Prescott
Wolford	49200	3259	89564	A. Whitmarsh, Merrickville	W. Kirtland, Merrickville	S. Jones, Merrickville	Samuel Jacques, Merrickville

### XIV. LINCOLN AND WELLAND.

United Counties—Acres, Lincoln, 195,700; Acres, Welland, 228,000—Total Acres, 423,700; Population, Lincoln, 23,868; Population, Welland, 20,141; Total Population, 44,009. Assessed Value of Property in 1854, £3,156,585. County Town, Lincoln.

Augusta	74000	5154	166450	William Garvey, Maitland	William Flynn, Maitland	William Penrock, Maitland	Philomen Penrock, Maitland
Edwardsburgh	67000	4779	109646	Allen Hunter, Spencerville	William Small, Spencerville	W. B. Enrie, Spencerville	T. Robertson, Edwardsburgh
Gower, South	21080	863	38484	John Grant, Hick's Corners	Lyman Clothier, Kempsville	Jared Shaver, Hick's Corners	Robert Leslie, Kempsville
Gower, North	58000	4496	107211	Robert Kernahan, Kempsville	Wm. Dougall, Kempsville	Wm. Dougall, Kempsville	Robert Leslie, Kempsville
Oxford	58000	4496	107211	Alexander McMillan, Prescott	W. Kirtland, Merricksville	John Ferguson, Prescott	Daniel McArthur, Prescott
Prescott (Town)	49200	3259	89634	E. A. Whitmarsh, Merricksville	W. Kirtland, Merricksville	S. McGee, Merricksville	Samuel Jacques, Merricksville
Wolford	49200	3259	89634				

## XIV. LINCOLN AND WELLAND.

United Counties—Acres, Lincoln, 195,700; Acres, Welland, 228,000—Total Acres, 423,700; Population, Lincoln, 22,868; Population, Welland, 20,141; Total Population, 44,009. Assessed Value of Property in 1854, £3,156,585; County Town, Niagara. Lincoln and Welland send one member each, and the Town and Township of Niagara send one member to the Provincial Parliament. Warden, Elias S. Adams, St. Catharines; Treasurer, Daniel McDougall, Niagara; Clerk, Joseph A. Woodruff, Niagara; Surveyor, John Page, St. Catharines; Auditors, John Ross and Henry Pafford, Niagara.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1854.	REVE.	DEPUTY REVE.	TREASURER.	CLERK.
<i>Lincoln.</i>							
Calston	34100	1398	£10453	Joseph B. Brooks		J. Tisdale, Welland Port.	J. Tisdale, Welland Port.
Clinton	25200	2402	189395	Robert Henry		J. S. Henry, Beausville	J. S. Henry, Beausville
Gainsborough	28400	2538	140725	George Seccord		John Upper, Smithville	J. E. Davis, Smithville
Graubarn	29000	3210	207049	Robert Lawrie		Chas. Rolis, St. Catharines	C. Rolis, St. Catharines
Grimsby	32500	2448	184000	John W. Lewis		H. Smith, Smithville	Henry Smith, Smithville
Louth	19000	1818	137365	William Adams		Philip Beaman, Jordan	A. Martin, Niagara
Niagara	22600	2256	189368	Joseph Wynn		A. Shaw, Niagara	A. Shaw, Niagara
Niagara (Town)	22600	3340	189368	John Simpson	John Powell	Thos. McCormick, Niagara	J. H. Johnson, Niagara
St. Catharines (Town)	4368	4368	540206	E. S. Adams	Patrick Warren	T. L. Helliwell, St. Catharines	H. Slate, St. Catharines
<i>Welland.</i>							
Berwick	36400	2737	130795	George Harrison		J. Stanton, Fort Erie	James Stanton, Fort Erie
Chippewa (Village)	18000	1112	63821	James Cummings		Bank of Upper Canada	J. W. Wilkinson, Chippewa
Crowland	31200	1478	75384	Leonard Matthews		E. N. Brookfield, Crowland	Alex. Reid, Crowland
Humberstone	22000	2201	123133	Edwin Smith		J. Thompson, Humberstone	John Thompson, Humberstone
Pelham	22000	2400	187733	W. A. Smith		J. S. Price, Pelham	D. D'Everardo, Pelham
Stamford	22000	2735	228008	W. McMillan	John Peck	J. C. Woodruff, Drummondville	R. Henley, Drummondville
Thorold	48000	1001	198871	Robert Hobson	G. Vanderburgh	W. Standley	Chas. Stewart
Wainfleet	59200	1841	117844	Wm. B. Hendershot		Edward Lee, Marshville	L. S. Yokum, Marshville
Willoughby	16000	1352	71755	James Bell		John Dobbie	John Dobbie

## XV. MIDDLESEX.

Acres, 650,698; Population, 39,899; Assessed Value of Property, 1854, £2,087,559; County Town, London City. London sends one member to Parliament, and the County being divided into an East and West Riding sends two members. Warden, John Scatcherd, London; Treasurer, W. W. Street, London; Clerk, J. B. Strathby, London; Auditors, Chas. Monserrat and John Brown, London.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1854.	REVE.	DEPUTY REVE.	TREASURER.	CLERK.
<i>Adelaide.</i>							
Adelaide	43900	1974	£84000	Hiram Dell, Strathroy		Thos. Thompson, Adelaide	Wm. Radcliff, Adelaide
Carradoc	76400	3118	97782	Holcroft Clench, Delaware		Hugh Anderson, Delaware	Edward Handy, Carradoc
Delaware	13000	1801	769608	M. Towle, Delaware		— Rogers, Delaware	John Johnstone, Delaware
Dorchester, North	39000	2570	122819	R. Craik, Niles town		Joshua Putnam, Niles town	R. W. Kay, Niles town
Ekfrid	58150	1792	76340	Geo. J. Smith, Ekfrid	W. H. Niles, Niles town	Archibald Miller, Strathburn	Heath Macfarlane, Ekfrid
Lobo	48000	2147	107584	R. McKillar, Lobo		— Woodman, Amiens	John Brown, Lobo
London	105200	6738	379104	Wm. Baker, London	Wm. Elliott, London	Wm. Baskwell, London	W. Taylor, London
London (Town)	38000	1096	525500	Murray Anderson, London	Murray Anderson, London	John Brown, London	John Brown, London
Metcalle	49300	2972	45422	Thos. Moyle, Napier	J. B. Winlow, Napier	Edward Goldrick, Napier	Edward Goldrick, Napier
Moss	49500	2972	93171	T. Spurling, Strathburn	Wm. Nell, Wardsville	Charles Bolls, Wardsville	Charles Bolls, Wardsville
Missouri, West	45000	1832	94011	John Scatcherd, London	Solomon Vining, London	Francis Bowers, Jr., London	Francis Bowers, Jr., London
Westminster	36000	5006	311125	E. Griffith, London	Peter McClary, London	A. Murray, London	A. Murray, London
Williams	77648	2297	94554	D. Frazer, Falkirk	L. Mott	Colin McKenzie, Williams	Colin McKenzie, Williams

## XVI. NORFOLK.

Acres, 333,200; Population, 21,280; Assessed Value of Property, 1853, £1,105,698; 1854, £1,238,859. County Town, Simcoe. Norfolk sends one member to the Provincial Parliament. Warden, L. H. Hunt, Simcoe; Treasurer, Henry Groff, Simcoe; Clerk, S. J. Fuller, Simcoe; Surveyor, D. Marr, Simcoe; Auditors, Thomas J. Mulkins and William Wallace, Simcoe.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1854.	REEVE.	DEPUTY REEVE.	TREASURER.	CLERK.
Charlottesville.....	56900	2780	£100072	Simpson McCall, Vittoria.	Daniel B. Smith, Vittoria.	J. M. Smith, Vittoria.	E. Shannon, Vittoria.
Houghton.....	38800	1500	54815	Peter Couchill, Houghton.	.....	I. Bridgman, Houghton.	G. Walker Son, Houghton.
Middletown.....	45400	1721	66397	R. Cryslor, Fredericksburg.	.....	W. L. Sovereign, Fredericksburg.	R. W. Mackay, Delhi.
Simcoe, (Town).....	1452	13833	1452	N. C. Ford, Simcoe.	.....	R. U. Wilson, Simcoe.	Wm. McMill, Simcoe.
Townsend.....	63400	4924	26888	Oliver Blake, Waterford.	Thos. Clarke, Waterford.	Nelson Broughner, Waterford.	N. Broughner, Waterford.
Walsingham.....	75400	3900	14820	H. De Blaquiere, Kovan's Mills.	S. Hanna, Rowan.	Jno. Killmaster, Port Rowan.	R. Richardson, Port Rowan.
Windham.....	65400	2900	17285	L. H. Hunt, Simcoe.	Daniel Matthews, Simcoe.	John Robins, Simcoe.	J. Brown, Waterford.
Woodhouse.....	34200	2804	22409	Andw. Thompson, Port Dover.	Walker Powell, Simcoe.	Henry Groff, Simcoe.	D. Marr, Jr., Simcoe.

## XVII. NORTHUMBERLAND AND DURHAM.

United Counties; Acres, Northumberland, 467,500; Acres, Durham, 396,600; Total Acres, 864,100. Population, 1852, Northumberland, 31,229; Population Durham, 30,734; Assessed Value of Property, 1853, £479,865; Rental Value of Towns, Cobourg, £21,240; Port Hope, £19,051; Bowmanville Village, £9,950; County Town, Cobourg. Each County sends two members to the Provincial Parliament. Warden, James Smith, Esq., M.P.P., Port Hope; Treasurer, J. A. A. Burnham, Cobourg; Clerk, Morgan Jellett, Cobourg; Engineer, Thos. S. Gore, Rice Lake; Auditors, Thos. Eyre and John Wade, Cobourg.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1854.	REEVE.	DEPUTY REEVE.	TREASURER.	CLERK.
<i>Northumberland.</i>							
Brighton.....	3725	£16532	Edward H. Smith.	A. T. Maybee.	A. Souier.	John D. Young.	John D. Young.
Cobourg, (Town).....	3871	243914	R. H. Throop.	H. J. Rutan.	David Burn.	David Bredin.	James P. Scott.
Granville.....	68000	2993	173048	R. M. Boucher.	John C. Proulx.	Wm. Easton.	Thomas Miligan.
Haldimand.....	77600	4534	John Wilson.	Philip Kelly.	Donald Hare.	George Whitaker.	Charles Bourn.
Alnwick.....	20000	8300	38000	Thomas Solomon.	Joseph Phillips.	Robt. Hartston.	James Eakins.
Hamilton.....	68000	5008	James B. Fortune.	Stephen Young.	John Perrin, Sr.	W. H. Fox.	Henry Fieldhouse.
Monaghan, South.....	18700	1051	14196	George Fice.	Charles French.	I. J. Dorland.	Alex. Donald.
Murray.....	82200	3725	14196	Stephen Young.	.....	.....	.....
Percy.....	55000	2005	102016	Isaac S. Blair.	.....	.....	.....
Seymour.....	74000	2781	102001	George Fice.	Charles French.	.....	.....
<i>Durham.</i>							
Bowmanville, (Village).....	49800	1756	Drummond G. Fletcher.	.....	David Deacon.	Jas. B. Fairbairn.	William Vano.
Cartwright.....	64400	4138	Dr. Francis Howe.	John Thorn.	Wm. Berry, Jr.	William Sutherland.	John Parland.
Cavan.....	72000	6190	Joseph L. Tucker.	Richard Walsh.	Wm. Beck.	Henry Elliott.	Edward Whitcraft.
Darlington.....	73400	8005	Mathew Jones.	Wm. H. Rogers.	Wm. H. Allen.	Duncan Chisholm.	Alfred Ryley.
Hope.....	67000	5299	Robert Marsh.	Robt. Bedford.	David Gardner.	Charles Hughes.	Walter Waller.
Manvers.....	70000	2508	Porter Preston.	James Smith.	John S. Smith.	.....	.....
Port Hope, (Town).....	2478	2478	.....	.....	.....	.....	.....

\* Rental reduced to principal.

+ Rental value.

Wm. Berry, Jr.	John Thorne	Wm. Brock	Richard Walsh	Henry Elliott	Wm. H. Rogers	Richard Widdat	Wm. H. Allen	Duncan Cleghorn	Alfred Rylov	David Gairdner	Charles Hughes	Walter Waller
Wm. Berry, Jr.	John Thorne	Wm. Brock	Richard Walsh	Henry Elliott	Wm. H. Rogers	Richard Widdat	Wm. H. Allen	Duncan Cleghorn	Alfred Rylov	David Gairdner	Charles Hughes	Walter Waller
Wm. Berry, Jr.	John Thorne	Wm. Brock	Richard Walsh	Henry Elliott	Wm. H. Rogers	Richard Widdat	Wm. H. Allen	Duncan Cleghorn	Alfred Rylov	David Gairdner	Charles Hughes	Walter Waller
Wm. Berry, Jr.	John Thorne	Wm. Brock	Richard Walsh	Henry Elliott	Wm. H. Rogers	Richard Widdat	Wm. H. Allen	Duncan Cleghorn	Alfred Rylov	David Gairdner	Charles Hughes	Walter Waller
Wm. Berry, Jr.	John Thorne	Wm. Brock	Richard Walsh	Henry Elliott	Wm. H. Rogers	Richard Widdat	Wm. H. Allen	Duncan Cleghorn	Alfred Rylov	David Gairdner	Charles Hughes	Walter Waller
Wm. Berry, Jr.	John Thorne	Wm. Brock	Richard Walsh	Henry Elliott	Wm. H. Rogers	Richard Widdat	Wm. H. Allen	Duncan Cleghorn	Alfred Rylov	David Gairdner	Charles Hughes	Walter Waller
Wm. Berry, Jr.	John Thorne	Wm. Brock	Richard Walsh	Henry Elliott	Wm. H. Rogers	Richard Widdat	Wm. H. Allen	Duncan Cleghorn	Alfred Rylov	David Gairdner	Charles Hughes	Walter Waller
Wm. Berry, Jr.	John Thorne	Wm. Brock	Richard Walsh	Henry Elliott	Wm. H. Rogers	Richard Widdat	Wm. H. Allen	Duncan Cleghorn	Alfred Rylov	David Gairdner	Charles Hughes	Walter Waller
Wm. Berry, Jr.	John Thorne	Wm. Brock	Richard Walsh	Henry Elliott	Wm. H. Rogers	Richard Widdat	Wm. H. Allen	Duncan Cleghorn	Alfred Rylov	David Gairdner	Charles Hughes	Walter Waller
Wm. Berry, Jr.	John Thorne	Wm. Brock	Richard Walsh	Henry Elliott	Wm. H. Rogers	Richard Widdat	Wm. H. Allen	Duncan Cleghorn	Alfred Rylov	David Gairdner	Charles Hughes	Walter Waller

+ Rental value.

## XVIII. ONTARIO.

Acres assessed, 453,104; Population in 1852, 30,576; Assessed value of Property in 1853, \$1,537,111. County Town, Whitby. Ontario is divided into a North and South Riding, and sends two Members to the Provincial Parliament. Warden, Thomas N. Gibbs; Treasurer, William Paxton, jun.; Clerk, H. J. Macdonell; Engineer, John Shier; Auditors, James Hodgson and John Welsh.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1853.	REEVE.	DEPUTY REVE.	TREASURER.	CLERK.
Brook	6406	3518	£101294	J. Hall Thompson, Cambridge	John Hart, Cambridge	John Metcalfe, Cambridge	John Metcalfe, Cambridge.
Mira and Rama	5331	1403	35220	Thomas Melburn, Athol	Wm. C. McMullen, Athol	Wm. C. McMullen, Athol	Wm. C. McMullen, Athol.
Pickering	7125	6737	43031	John M. Lumsden, Pickering	Peter Taylor, Pickering	Hector Batton, Pickering	Hector Batton, Pickering.
Reich and Seung	1134	432	14711	Thomas Paxton, Manchester	Robert Wells, Pickering	Richard Lund, Port Perry	Wm. Poyson, Manchester.
Scott	4805	1028	4123	John K. Verma, Scott	Robert Wells, Pickering	George Thompson, Scott	George Thompson, Scott.
Thorah	2521	1146	50128	Nell McDougall, Beaverton	John P. Plank, Coudsville	John McKay, Beaverton	John McKay, Beaverton.
Uxbridge	5232	2289	56925	William Hamilton, Uxbridge	Abraham Farewell, Uxawa	John Gordon, Broadlin	Robert Spears, Uxbridge.
Whitby	6490	7996	63849	John Hunt Perry, Whitby	Abraham Farewell, Uxawa	John Gordon, Broadlin	Robert Spears, Uxbridge.
Oshawa (Village)	98	1142	5371	T. N. Gibbs, Oshawa	Abraham Farewell, Uxawa	John Gordon, Broadlin	P. McGeary, Oshawa.

## XIX. OXFORD.

Acres, 479,944; Population in 1852, 32,638; Assessed value of property in 1853, \$1,655,678; County Town, Woodstock. Oxford is divided into a North and South Riding, and sends two Members to the Provincial Parliament. Warden, Donald Matheson, Embro; Treasurer, James Kintrac, Woodstock; Clerk, W. L. Landon, Woodstock; Auditors, James Laycock and James Kintrac, Woodstock.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1853.	REEVE.	DEPUTY REVE.	TREASURER.	CLERK.
Blandford	2945	1256	55047	John Barwick	James Kintrac, Woodstock	James Kintrac, Woodstock	John A. T. Sharn, Woodstock.
Blenheim	6400	3965	23226	George Perry, Washington	J. M. Kennedy, Blandford	J. H. Laycock, Woodstock	J. H. Laycock, Woodstock.
Dundas	6720	3344	20923	B. Yarnorman, Derham	J. Bedwell, Mount Main	E. V. Bedwell, Mount Main	A. A. Bedwell, Mount Main.
Ingersoll (Village)	1740	1196	8149	Thomas Brown	James Kintrac, Woodstock	J. Kintrac, Woodstock	James Kintrac, Woodstock.
Nisour	4534	2118	6551	Donnis Horsman, Thamsdon	J. Layton	John Layton, Thamsdon	R. McDonald, Thamsdon.
Norwich	6710	5230	29325	Asa Durkee, Osherville	James Kintrac, Woodstock	James Kintrac, Woodstock	M. Mott, Newburgh.
Oxford East	5502	2210	14295	William Peers, Woodstock	James Kintrac, Woodstock	James Kintrac, Woodstock	James Kintrac, Woodstock.
Do North	2017	1378	5583	John Armstrong, Ingersoll	James Kintrac, Woodstock	James Kintrac, Woodstock	James Kintrac, Woodstock.
Do West	2716	1891	12504	W. E. Mache Ingersoll	James Kintrac, Woodstock	James Kintrac, Woodstock	James Kintrac, Woodstock.
Woodstock (Town)	1119	2112	14054	John Finkle	James Kintrac, Woodstock	James Kintrac, Woodstock	James Kintrac, Woodstock.
Zorra East	5991	2300	11073	John Harrington, Woodstock	W. Wilson, Woodstock	James Kintrac, Woodstock	James Kintrac, Woodstock.
Do West	56450	2292	12824	John Matheson, Embro	James Kintrac, Woodstock	James Kintrac, Woodstock	James Kintrac, Woodstock.

## XX. PERTH.

Acres, 446,728; Population, 1852, 15,545; Assessed Value of Property, 1854, \$526,771. County Town, Stratford. The County of Perth sends one member to Parliament. Warden, William Smith, Stratford; Treasurer, Alexander McGregor, Stratford; Clerk, Stewart Campbell, Stratford; Surveyor, Joseph G. Kirk, Stratford; Auditors, A. F. Mickle and Samuel L. Roberts, Stratford.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1854.	REEVE.	DEPUTY REVE.	TREASURER.	CLERK.
Blanchard	49250	2786	£84868	Arundel Hill, St. Marys.	Loucllan McIntosh.	Thomas Christie, St. Marys.	Thos. Christie, St. Marys.
Downie and Gore	40905	2727	00006	William Smith, Stratford.	William Clyn.	Alex. McGregor, Stratford.	James I. Edmond, Stratford.
Easthope, North.	43601	2541	70001	Alexander Grant, Shakspeare.		Alex. Fisher, do	James Trow, Shakspeare.
Ellice.	24853	1737	58315	Andrew Helmer, do		Andrew Eldred, Shakspeare.	Wm. Cressy, do
Mornington	17300	1728	00072	Robert Henry, Sohringville.		Stewart Campbell, Stratford.	Stewart Campbell, Stratford.
Fulerton	50724	633	21169	James Watson, Millbank.		Sauvet Whaley, Millbank.	Samuel Whaley, Millbank.
Hibbert	41057	1750	55277	James Watson, Fullerton.		James Brown, Millbank.	Thomas Dunn, Mitchell.
Logan, Elma and Wallace.	41476	1191	37513	Robt. Donkin, Carroonbrook.		Edward Downey, Mitchell.	— Sullivan, Mitchell.
Stratford (Village)	137403	698	35225	Robt. Christie, Mitchell.		Adam Segunier, Stratford.	Stewart Campbell, Stratford.
	150			Wm. F. McCulloch, Stratford.		E. J. Woods, Mitchell.	Robert Gaer, Mitchell.

## XXI. PETERBOROUGH AND VICTORIA.

United Counties; Acres, Peterborough, 643,300; Acres, Victoria, 478,200; Total Acres, 1,121,500. Population, Peterborough, 15,257; Population, Victoria, 11,657; Total Population, 26,894. Assessed value of property, 1853, Townships, £843,868; Peterboro, £165,132; County Town, Peterborough. Each County sends one member to the Provincial Parliament. Warden, Wm. Cottingham, Metcalfe; Treasurer, Walter Sheridan, Peterborough; Clerk, W. Sheridan, Peterborough; Surveyor and Engineer, John Reid, Peterborough; Auditors, Robt. Reid and James Foley, Peterborough.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1853.	REEVE.	DEPUTY REVE.	TREASURER.	CLERK.
<i>Peterborough.</i>							
Asphodel.	39650		£5 051			Jas. S. Fowles, Hastings.	James Foley, Norwood.
Belmont and	70000	1926	16840	Peter Pearce, Norwood.		M. O'Brien, Peterborough.	Robt. Casement, Peterborough.
Methuen	72000	1676	203			G. A. Hill, Warsaw.	G. A. Hill, Warsaw.
Douro	41000	1076	44875	Jas. Hogan, Peterboro.		Wm. Fowler, Peterborough.	Chas. Ormond, Peterborough.
Dummer and Burleigh	1 400	1000	35145	Thos. Forty Peterboro.		Geo. Read, Otanabee.	Geo. Read, Otanabee.
Monaghan North	1 000		15378	Anderson, Otanabee.	Wm. Lang, Otanabee.	Wm. Claxton, Peterborough.	Thos. White, Jr., Peterborough.
Otonabee	71000	965	165132	W. S. Conger, Peterboro.		Chas. Burton, Peterborough.	Chas. Burton, Peterborough.
Peterborough (Town)	61200	2191	87051	John Walton, Peterboro.		Michael Costello, Bridgenorth.	Michael Costello, Bridgenorth.
Smith and	15000	2392				David Ferguson.	Angus Kay, Elton.
Harvey	107200	675	11772	D. Costello, Bridgenorth.		Thos. Matchell, Emily.	Robt. Grady, Emily.
Ennismore	68000	1326	39509	Israel Ferguson, Woodville.		Geo. King, Oakwood.	John Lytle, Clark.
Eldon	64000	2763	77930	Wm. Cottingham, Emily.	A. A. McLachlin, Oakwood.	Jno. Allanby, Lindsay.	J. O'Leary, Lindsay.
Emily	72800	3805	139103	John Jacobs, Oakwood.	M. Roche, Lindsay.	W. Powles, Fenelon Falls.	Wm. Powles, Fenelon Falls.
Mariposa	60000	2512	98009	Thos. Keenan, Lindsay.			
Ops.	62000		34536	J. W. Dunsford, Fenelon Falls.			
Verulam	62000	571					
Sommerville.	57400						
Fenelon and Bixley.	95200	596					

## XXII. PRESCOTT AND RUSSELL.

United Counties; Acres, Prescott, 305,620; Acres, Russell, 242,400; Total Acres, 548,020; Population, Prescott, 10,476; Russell, 3,034. Assessed Value of Property, 1853, £402,115; County Town, L'Orignal. Prescott and Russell send one Member each to the Provincial Parliament. Warden, Archibald Petrie, Esq., Cumberland; Treasurer, Neil Stewart, Esq., L'Orignal; Clerk, P. O'Brian, L'Orignal; Auditors, J. W. Marston, R. Donald, L'Orignal.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1854.	REEVE.	DEPUTY REVE.	TREASURER.	CLERK.
<i>Prescott.</i>							



United Counties; Acres, Prescott, 305,620; Acres, Russell, 242,400; Total Acres, 548,020; Population, 11,850; Wardens, Prescott, 1893, J. W. Marston, B. R. Archibald Petrie, Esq., Cumberland; Treasurer, Neil Stewart, Esq., L'Original; Auditors, J. W. Marston, B. R. Archibald Petrie, Esq., L'Original; Clerk, P. O'Brian, L'Original; Donald, L'Original.

### XXXIII. PRINCE EDWARD.

Acres, 213,900; Population, 18,887; Assessed Value of Property in 1853, £926,637; County Town, Picton. Prince Edward sends one Member to the Provincial Parliament. Warden, Absalom Greeley, Sopleasburgh; Treasurer, David Smith, Picton; Clerk, R. J. Chapman, Picton; Auditors, R. J. Fitzgerald and John S. Clute, Picton.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1854.	REEVE.	DEPUTY REEVE.	TREASURER.	CLERK.
<i>Precinct.</i>							
Caledonia.....	4706	988	£2020	William Bradley, Caledonia.		James Proudfoot, Caledonia.	D. D. Barrett, Caledonia.
Hawkesbury East.....	1870	3025	1677	Alex. McBean, Niagara.		James Gamble, East Hawkesbury.	J. Gamble, East Hawkesbury.
Hawkesbury West.....	4094	2863	7570	H. W. McCann, Vankleek Hill.		Anthony Philip, Vankleek Hill.	Anthony Philip, Vankleek Hill.
Loughuel.....	2928	1361	7501	{ Elihu R. Marston, L'Orignal. Joseph McGovern, Plantagenet.		S. M. Cosham, L'Orignal.	John Potter, L'Orignal.
Alfred.....	5470	584	1902	{ Joseph McGovern, Plantagenet. Peter McMartin, do.		Patrick McGovern, Plantagenet.	A. James, Plantagenet.
Plantagenet North.....	5140	1202	2650	do.		John McCrack, do.	do.
Plantagenet South.....	4268	643	1064	Peter McLaurin, Riceville.		P. McAurain, Riceville.	A. McLean, Riceville.
<i>Rural.</i>							
Cumberland.....	7230	1831	4494	A. Patrie, Cumberland.		John A. Wilson, Cumberland.	John D. Wilson, Cumberland.
Clarence.....	1940	710	6026	{ Wm. Edwards, Clarence. John Stewart, Russell.		Alex. McCaul, Clarence.	— Roe, Clarence.
Cumbridge and Russell.....	10120	763				John Duncan, Russell.	James Keays, Russell.

## XXIV. SIMCOE.

Acres, 1,150,400; Population, 27,165; Assessed value of property, 1852, £901,620: County Town, Barrie. Since we send two Members to the Provincial Parliament. Warden, James Sanson, Orillia; Treasurer, Edmund Lally, Barrie; Clerk, John Strathly, Barrie; Surveyor, Henry Creswick, Barrie; Auditors, Allan Lloyd and Patrick Smith, Barrie.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1852.	REEVE.	DEPUTY REVE.	TREASURER.	CLERK.
Ameliasburgh	38800	3280	£19257 4	Sylvanus Sprague, Ameliasburgh	James Jacques, Coneseon	Wm. Brinkman, Denmoreville	S. Macdunn, Ameliasburgh.
Athol	20400	1621	7175 8	Wm. A. Palen, Cherry Valley	James Jacques, Coneseon	J. Carmichael, Cherry Valley	J. Carmichael, Cherry Valley.
Hallowell	40850	3253	17874 34	John Murney, Pictou	David S. Conger, Pictou	John Richards, Pictou	G. A. Sargent, Hallowell.
Hillier	9000	2462	15085 5	James T. Lane, Wellington	David S. Conger, Pictou	Philip Fletcher, Hillier	Philip Fletcher, Hillier.
Marysburgh	41200	3742	12490	Paton Clark, Milford	Lewis Hinzins, Milford	James Clapp, Milford	Robert Turnbull, Milford.
Sophiasburgh	42550	2731	19028	Uzalom Grealey, Denmoreville	Hildebrand Vallean, Pictou	H. Dunsmuir, Denmoreville.	H. Dunsmuir, Denmoreville.
Pictou Town	1530	1530	628	Chas. S. Wilson, Pictou		John Twigg, Pictou	John Twigg, Pictou.

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## SIMCOE.—Continued.

TOWN SHIP.	No. of Acres, 1852.	Pop. 1852.	BEVEE.	DEPUTY BEVEE.	TREASURER.	CLERK.
Orillia and the River	7,129	718	James Sanson, Orillia		B. R. Foster, Orillia	B. R. Foster, Orillia
Orillia	7,129	718	Richard Drury, Oro		Dr. Clark, Oro	Bureau Clark, Oro
Georgina	7,129	718	Alexander Gaviller, Bond Head	George Diawood	John Austin, Bond Head	David Evans, Bond Head
Thornhill	8,903	718	S. Fraser, Penetanguishine		Geo. McKay, Penetanguishine	H. H. Thompson, Penetanguishine
Windsor	50,400	440	Jonathan Lane, Paris		William Mann, Barrie	Wm. Mann, Barrie
Simcoe	6,400	163	John Chalmers			
St. Catharines	55,200	253	John Chalmers			
St. Catharines	6,400	545	John Chalmers			

There belongs also to the Tract of Land bounded on the East by the line between the late Home and Newcastle Districts, prolonged to French River, on the West by Lake Huron, on the North by French River, and on the South by the River Severn and the Township of Eram, and the Islands in Lake Simcoe and Huron lying wholly, or for the most part, adjacent to the said County of Simcoe, or any part thereof, and contiguous thereto.

## XXV. STORMONT, DUNDAS, AND GLENGARY.

United Counties—Acres, Stormont, 250,200; Acres, Dundas, 241,200; Acres, Glengary, 288,080—Total Acres, 777,480. Population, Stormont, 14,091; Town, Cornwall, 13,811; Population, Glengary, 17,573—Total Population, 46,075; Assessed Value of Property in 1854, \$1,337,000; County Cornwall also sends one. Warden, Alexander McDonnell, Alexandria, Lochiel; Treasurer, Rod. Macdonald, Cornwall; Clerk, Peter J. McDonnell, Cornwall; Surveyor, John Bruce; Auditors, Samuel Hart and Angus McDonnell, Cornwall.

TOWNSHIP.	No. of Acres, 1852.	Assessed Acres, 1854.	BEVEE.	DEPUTY BEVEE.	TREASURER.	CLERK.
<i>Stormont.</i>						
Cornwall (Town)	1092	47,000	Alexander McDonnell, Cornwall	Alan McDonnell	R. Macdonald, Cornwall	Charles Poole, Cornwall
Cornwall	65,600	47,000	James N. Dixon, Cornwall		Donald Davidson, Martintown	A. E. McDonnell, St. Andrews
Rosborough	7,020	212	James Sproul, Martintown		Samuel Ault, E. Williamsburgh	Donald Davidson, Martintown
Oranburg	6,800	410	Wm. Colquhoun		J. Munroe, Jun.	John Rock, Rosborough
Finch	51,000	1460	George Munroe		Alexander McDonnell	Stewart Campbell
<i>Dundas.</i>						
Williamsburgh	62,800	424	Walter Bell, N. Williamsburgh		H. Eastwood	Peter Fisher
Windsor	57,000	2565	James W. Beazant		Chas. T. Casselman	M. Cook
North	65,200	4108	W. W. Casselman		J. Deane	Philip Curran
Mountaine	57,000	2764	A. H. Munroe		James O'Leary	James Clark
<i>Glengary.</i>						
Lamaster	57,200	4009	J. McNeill		J. S. Sutherland	Peter Grant
Lochiel	65,400	4174	Alexander McDonnell, Alexandria		John R. Smith, Martintown	Owen Quigley, Lochiel
Charlottenburgh	65,900	5557	Donald McLeopon		James Fraser	J. R. Smith, Martintown
Kenyon	64,400	2812	James McDonnell		Angus McDonald, Alexandria	John Murray, Kenyon
Indian Reserve	30284		This Reserve is attached to, and forms part of the Townships of Charlottenburgh and Kenyon.			

Mountain	Philip Carnegie.
.....	J. Beran
.....	James Clerk.
Lancaster	Peter Grant.
.....	Wm Quigley, Leckie.
.....	J. R. Smith, Martindale.
.....	John Murray, Fennyton.
.....	John Murray, Fennyton.
Indian Reserve	.....

## XXVI. WATERLOO.

Acres, 228,463; Population in 1852, 26,537; Assessed Value of Property in 1853, £1,456,251; County Town, Berlin. Waterloo being divided into a North and South Riding, sends two Members to the Provincial Parliament. Warden, John Scott, M.D., Berlin; Treasurer, Clerk, William Davidson, Berlin; Auditors, D. H. Forbes, Galt, John A. Mackie, Berlin.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1853.	REEVE.	DEPUTY REEVE.	TREASURER.	CLERK.
Waterloo	91154	7698	£1819	Isaac Clemens, Preston	Henry Snider, Bridgeport	David S. Shoemaker, Berlin	D. S. Shoemaker, Berlin.
Winnet	9268	5297	20326	William Scott, New Hamburg	Christop. Dornig, Phillipsburgh	G. C. Muster, New Hamburg	Michael Meyers, Baden.
North Dumfries	4700	3475	20347	Duncan Ferguson, Galt	Thomas Chisholm, Galt	James Dow, Woodville	James Geddes, Galt.
Woodville	5800	3092	14828	Peter Winger, West Woodville	John Meyer, Heidelberg	Wm. Hastings, Crophill	B. R. Beamie, Junr., St. Jacobs.
Wellsville	6887	3546	12111	Michael P. Empey, Hawassville	John Zieger, Wellesley	H. N. Bowmans, Berlin	Geo. Ballards, Hawassville.
Berlin	284	.....	4357	John Scott, M.D., Berlin	.....	Adam Ker, Galt	Wm. Davidson, Berlin.
Galt (Village)	.....	224	19764	John Davidson, Galt	.....	.....	Adam Ker, Galt.
Preston (Village)	.....	1189	5488	Henry Hagey, Preston.	.....	Alex. Allan, Preston.	A. Allan, Preston.

## XXVII. WELLINGTON.

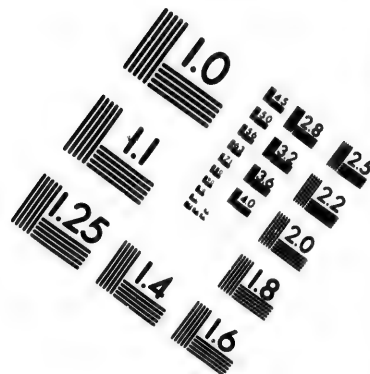
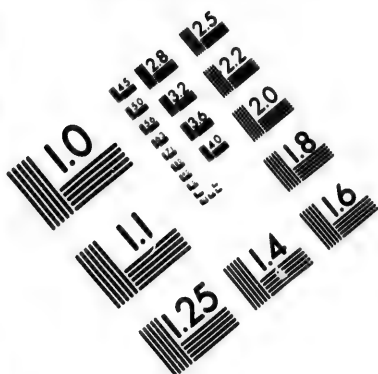
Acres, 791,694; Population, 1852, 26,799; Assessed Value of Property, £1,169,465; County Town, Guelph; Wellington being divided into a North and South Riding, sends two members to the Provincial Parliament. Warden, James Wright, Guelph; Treasurer, William Hewat, Guelph. Clerk, A. D. Ferrier, Fergus or Guelph; Auditors, Edwin Newton and G. Keeling, Guelph; Surveyor, Francis Ker, Guelph.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1851.	REEVE.	DEPUTY REEVE.	TREASURER.	CLERK.
Amaranth and Carleton	6326	500	158162	John Curry, Reading	John Dolbin, Carleton	.....	John Armstrong
Arthur and Minto	9400	2683	58162	Gas. Donaldson, Reading	.....	.....	Thomas Galtbreath, Crumville.
Erin	6543	1600	50000	Robt. Morrison, Arthur	.....	.....	Michael Cox.
Erin	7496	490	137057	W. Clark, Erin	R. L. Campbell	.....	W. Tyler, Erin.
Erin	7040	3390	130000	Donald Black, Everton	.....	.....	W. Cliphant, Everton.
Guelph (Town)	44900	2550	152197	Jas. Wright, Guelph	Geo. Shortrad, Guelph	James Hough	W. Thompson, Guelph
Guelph (Town)	42900	2879	130000	W. S. G. Knowles	.....	James Hough	James Hough.
Maryborough	5071	994	22252	Sam. Robertsons, Hollin	.....	James McQueen, Fergus	H. Smith, Hollin.
Nichol	2800	1150	68855	Ross, Fergus	P. O'Leary, Arthur	James McQueen, Fergus	James McQueen, Fergus.
Pickering	7486	1455	67804	W. Hatfield, Deayton	.....	.....	L. H. Hartney.
Posluch	2800	1000	81000	H. Roberts, Elora	.....	.....	W. P. Newman, Elora.
Further	5080	3832	17478	J. Cockburn, Aberfoyle	David Horton, Guelph	.....	A. Smith, Aberfoyle.
.....	9000	433	No Municipal Organization.	.....	.....	.....	.....

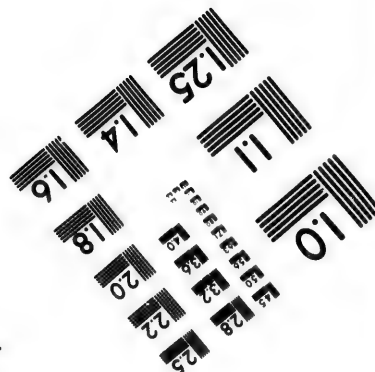
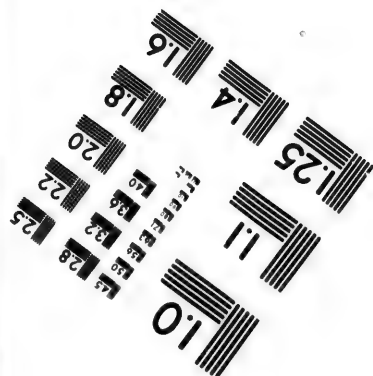
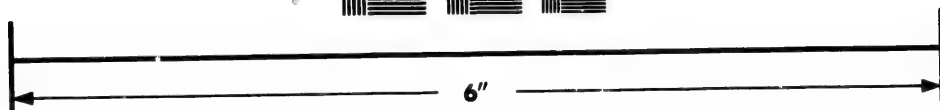
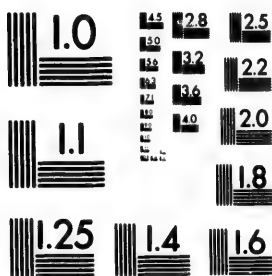
## XXVIII. WENTWORTH AND HALTON.

United Counties: Acres, Wentworth, 265,223; Acres, Halton, 22,299; Total Acres, 491,522. Population, Wentworth, exclusive of Hamilton City, 28,507; Population, Halton, 18,322; Total Population, exclusive of Hamilton City, 46,829. Assessed Value of Property in 1854, Wentworth, £1,757,478; Halton, £1,171,789; Total, £2,929,258. County Town, City of Hamilton; Population in 1852, 14,199. The County Wentworth sends two members, Halton one, and the City of Hamilton one member, each to the Provincial Parliament. Warden, John Heslop, Ancaster; Auditor, James McIntosh, Hamilton; Clerk, C. O. Counsel, Hamilton; Auditors, T. M. Simons, and James S. Wettrhall, Hamilton; Solicitor, John O. Hart.





# **IMAGE EVALUATION TEST TARGET (MT-3)**



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TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1854.	REEVE.	DEPUTY REEVE.	TREASURER.	CLERK.
<i>Wentworth.</i>							
Ancaster, . . . . .	45180	4653	£274721	John Heslop, Ancaster.	Jacob Binkley, Ancaster.	James Chep, Ancaster.	Matthew Crooks, Ancaster.
Barton, . . . . .	13874	1735	163907	Michael Alkman, Hamilton.	Duncan McKenzie, Beverly.	Alex. A. Seord, Hamilton.	J. H. Buckholder, Hamilton.
Beverly, . . . . .	6429	5620	229304	James McQueen, Beverly.	John Quarry, Dundas.	H. G. Barlow, Repton.	W. H. Barlow, Repton.
Brimley, . . . . .	2319	1737	110854	Henry Hall, Brimley.	John Quarry, Dundas.	Ismaiah Taylor, Brimley.	Daniel Lynch, Brimley.
Dundas (Town), . . . . .	3317	3317	314666	Robt. Spence, Dundas.	John Quarry, Dundas.	Robt. W. Suter, Dundas.	Walter Chisholm, Dundas.
Flamborough East, . . . . .	31126	2903	181350	Alex. Brown, Watford.	John Quarry, Dundas.	E. Evans, Watford.	R. N. Hopkins, Watford.
Flamborough West, . . . . .	30450	3533	223904	Thos. Morris, West Flamboro.	Wm. Bullock, West Flamboro.	John Weir, West Flamboro.	W. D. Donaldson, West Flamboro.
Glanford, . . . . .	25398	2008	137373	Thos. Shaw, Glanford.	Henry Latz, Hamilton.	Thos. Choate, Jr., Glanford.	Thos. Choate, Jr., Glanford.
Saltfleet, . . . . .	28235	2801	125228	John Williamson, Stoney Creek.	Henry Latz, Hamilton.	Jones, Stoney Creek.	J. Davis, Jr., Mount Allison.
<i>Hutton.</i>							
Esqueving, . . . . .	68087	5225	257737	Jas. Young, Georgetown.	John Stewart, Esqueving.	John Murray, Stewart Town.	John Murray, Stewart Town.
Nassagaweya, . . . . .	44800	2237	173082	Thos. Easterbrook, Nassagaweya.	Robt. Miller, Milton.	Geo. Easterbrook, Nassagaweya.	James McNair, Nassagaweya.
Nelson, . . . . .	46358	4078	273032	Geo. Ghent, Wellington Square.	Jacob Lawrence, Trafalgar.	Timothy Cooper, Nelson.	Timothy Cooper, Nelson.
Trafalgar, . . . . .	67024	6782	565703	R. K. Chisholm, Oakville.	Jacob Lawrence, Trafalgar.	J. W. Williams, Oakville.	Robert Balmer, Oakville.

## XXIX. YORK AND PEEL.

United Counties—Acres, York, 525,498, Acres, Peel, 207,659; total Acres, 813,152; Population, in 1852, York, (exclusive of Toronto City,) 48,900; Population, Peel, 24,816; Total Population, exclusive of Toronto City, 73,716; Assessed value of property, 1851, £4,315,003, 1852, £4,012,000, 1853, £4,545,379. County Town, Toronto City; Population in 1852, 30,763. York sends three Members to the Provincial Parliament, Peel sends one Member, and the City of Toronto sends two Members. Warden, John W. Gamble, M.P.P., Vaughan; Treasurer, James S. Howard, Toronto; Clerk, John Elliott, Toronto; Auditors, R. Moore and N. Gatchell, Toronto; Engineer, F. W. Cumberland, Toronto.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1853.	REEVE.	DEPUTY REEVE.	TREASURER.	CLERK.
<i>York.</i>							
Etobicoke, . . . . .	29065	3471	£265269	Joseph Smith.	Andrew Ward	W. Ward, Humber.	W. Ward, Humber.
Gwillimbury East, . . . . .	53716	3207	170421	Henry D. Siles	Moses Knight.	William Selby, Sharon.	H. D. Wilson, Sharon.
Gwillimbury North, . . . . .	30646	1176	47885	David Sprague	J. D. Phillips	Henry Draper, Keswick.	Richard Shepherd, Keswick.
Kinz, . . . . .	82500	6960	339846	George Hughes	J. D. Phillips	Joseph Woods, King.	Joseph Woods, King.
Markham, . . . . .	68030	7726	500639	Henry Miller	J. Reesor	H. P. Crosby, Markham.	H. Crosby, Markham.
Scarborough, . . . . .	42749	4244	281685	John Torrance	William Clark	T. Hellwell, Scarborough.	S. Closson, Scarborough.
Vaughan, . . . . .	68099	7723	492500	John W. Gamble	David Bridgeford	James Ashdown, Pinerove.	James Ashdown, Pinerove.
Whitchurch, . . . . .	60532	4758	274920	Joseph Hartman	J. Brown	John Bogart, Newmarket.	G. S. Porter, Newmarket.
York, . . . . .	50480	10025	571187	William James	William Tyrell	J. Willson, 4th York Mills.	J. Willson, 4th York Mills.
Georgina, . . . . .	35600	1005	41482	Samuel Park	John Shore	O. Foster, Yorkville.	C. Foster, Yorkville.
Yorkville, (Village), . . . . .	.....	.....	65280	John Sleight.	Henry Shore	Wm. Armstrong, Bolton Mills.	Wm. Armstrong, Bolton Mills.
Albion, . . . . .	57467	4281	183786	Thomas Swinarton	John Kirkwood	Wm. Armstrong, Bolton Mills.	George Dodds, Caledon.
Brampton, (Village), . . . . .	1300	.....	72098	John Lynch	Thomas Kirkwood	C. Rutledge, Caledon.	D. L. Lynch, Brampton.
Caledon, . . . . .	67292	3707	122863	John Richardson	Thomas Sharp	D. L. Lynch, Brampton.	John Rutledge, Caledon.
Chingacousay, . . . . .	80200	7409	440504	James Hamilton	Samuel Price	W. A. Thompson, Springfield	John Rutledge, Caledon.
Toronto, . . . . .	62540	7539	533396	Joseph Wright	.....	John Adams, Humber.	Joseph Figg, Stanley Mills.
Toronto Gore, . . . . .	18860	1830	132527	William Taylor	.....	.....	.....

Rates

RATES

Vessels of

Passenger  
Do.Apples, B  
Railroad  
Onions, WroughAshes (Po  
Butter,  
Hogs, H  
Oats.) N  
Clover,  
otherwiBeef, Bee  
Fish, F  
and Sk  
Ploughs  
other A  
Whiske

All Goods

Iron Ore  
TIMBER  
Barrels, H  
Barrel Ho  
Bourds, P  
in Vess  
Siding Lu  
Ditto on  
Boat Kne  
Fire Wood  
Floats, po  
Saw Logs  
Ditto leav  
Shingles,  
Split Pos  
Staves an  
Ditto  
Ditto  
Timber S  
Ditto in  
Ditto Ro  
Ditto in  
Traverses  
Axe-Han  
Bucks,  
spikes,  
Stocks,  
Ware.

NOTICE  
Vessels an  
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## PROVINCIAL CANALS, 1854.

**Rates of Toll, also the Way Tolls with a Common Standard established for certain Articles and Packages.**

RATES OF TOLL ON THE CANALS ARE DIVIDED INTO SEVEN CLASSES, AS UNDER.							Welland, each way.	St. Lawrence.		Chambly and St. Ours Lock, each way.	Total from Lake Erie to Lake Champlain.	St. Ann's Lock, each way.	
								Up.	Down.				
Class No. 1.													
Vessels of all kinds - - - - - per Ton							s. d. 0 1 1/2	s. d. 0 1 1/2	s. d. 0 0 3/4	s. d. 0 0 3/4	s. d. 0 0 3	s. d. 0 0 3 1/2	
Class No. 2.													
Passengers twenty-one years and over, each - - - - -							0 6	0 6	0 3	0 3	1 0	0 6 1/2	
Do. under twenty-one years, each - - - - -							0 3	0 3	0 1 1/2	0 1 1/2	0 0	0 0 1 1/2	
Class No. 3.													
Apples, Bark, Bricks, Cement, Clay, Coal, Gypsum, Hemp, Iron, (Pig, Scrap, Railroad, Bloom and Broken Castings,) Lime, Manganese, Manures, Marble, Onions, Ores. (other than Iron Ore.) Potatoes, Salt, Sand, Slate, Stones Wrought or Unwrought, Tobacco (Unmanufactured,) per Ton weight - -							1 0	1 0	1 0	0 6	2 6	0 2	
Class No. 4.													
Ashes (Pot and Pearl) Bacon, Barley, Beer, Bran and Ships' Stuff, Broom, Butter, Corn, Cider, Bones, Cattle, Corn, Cotton (Raw,) Flax, Hay (Pressed) Hogs, Hoofs, Horns, Junk, Lard, Lard-Oil, Meals (of Barley, Rye, Corn and Oats,) Nails, Oats, Oil Cake, Oil Meal, Pork, Rags, Rye, Seed of Flax and Clover, Sheep, Spikes, Stove and other Iron Castings, and all other Iron not otherwise described, Tallow, Vinegar, and Window Glass, per Ton Weight -							1 6	1 6	1 6	0 6	3 6	0 3	
Class No. 5.													
Beef, Beeswax, Biscuit, Carts, Charcoal, Cheese, Coffee, Copperas, Erthenware, Fish, Furniture and Baggage of Settlers, Flour, Glassware, Hams, Hides and Skins (Raw,) Horses, Manilla, Mechanics' Tools, Molasses, Oakum, Ploughs, Sleighs, Steel, Stoneware, Sugar, Tin, Waggon, Wheat, and all other Agricultural Produce not enumerated and not being Merchandise, Whiskey, and Wool, per Ton Weight - - - - -							2 3	1 9	1 6	0 9	4 0	0 3	
Class No. 6.													
All Goods and Merchandise, not enumerated, per Ton Weight - - - - -							5 0	5 0	1 10 1/2	0 9	7 7 1/2	0 3	
Class No. 7.													
Iron Ore per Ton - - - - -							0 3	0 3	0 3	0 3	0 3	0 3	
TIMBER:—													
Barrels, Empty, each - - - - -							0 1	0 1	0 1	0 1	0 3	0 0	
Barrel Hoops, per M - - - - -							0 2	0 2	0 1	0 1	0 4	0 0	
Boards, Planks, Scantling, and other Sawed Timber, reduced to inch Measure, In Vessels, per M Superficial feet - - - - -							1 6	0 9	0 6	0 6	2 6	0 2	
Siding Lath, and other Sawed Stuff, less than 1 inch thick, per M superf. feet - - - - -							1 6	0 9	0 6	0 6	2 6	0 2	
Ditto on Rafts, per M superficial feet - - - - -							3 0	1 6	1 0	1 0	5 0	2	
Boat Knees, each - - - - -							0 3	0 1	0 1	0 1	0 5	0 0	
Fire Wood, per Cord, on Rafts - - - - -							0 7 1/2	1 3	1 3	0 6	2 4 1/2	0 1 1/2	
Floats, per 100, for each Lock passed - - - - -							0 2	0 2	0 2	0 2	0 6	0 0	
Saw Logs 12 feet long, if longer in proportion, entering the Canal, each - - - - -							0 2	0 2	0 2	0 1	0 0	0 0	
Ditto leaving the Canal, each - - - - -							0 10	0 2	0 2	0 1	0 0	0 0	
Shingles, per M - - - - -							0 4	0 4	0 2	0 1 1/2	0 7 1/2	0 1	
Split Posts and Fence Rails in Vessels, per M. - - - - -							2 0	2 0	2 0	1 0	5 0	0 0	
Ditto in Raft, do. - - - - -							4 0	4 0	4 0	2 0	10 0	0 0	
Staves and Heading (Barrel) per M. - - - - -							2 0	1 0	1 0	0 9	3 9	0 3 1/4	
Ditto (Pipe) do. - - - - -							10 0	8 9	8 9	2 6	21 3	1 3	
Ditto (West India) per M - - - - -							3 9	3 9	3 9	1 3	8 9	0 7 1/2	
Timber Square in Vessels, per M Cube feet - - - - -							25 0	5 0	5 0	5 0	35 0	1 3	
Ditto in Raft, when permitted to pass through the Canal, do. - - - - -							40 0	10 0	10 0	10 0	60 0	1 3	
Ditto Round or Flatted under 12 x 12, Railroad Ties in Vessels, per M Lineal ft. - - - - -							20 0	3 9	3 9	3 9	27 6	0 7 1/2	
Ditto in Raft, when permitted to pass through the Canal, do. - - - - -							35 0	7 6	7 6	7 6	50 0	0 7 1/2	
Traverses, per 100 for each Lock passed - - - - -							0 0 1/2	0 0 1/2	0 0 1/2	0 0 1/2	0 1 1/2	0 0	
Axe-Handles, Beadstead and Blind Stuff, Broom and Brush Handles, Brush Backs, Chair Stuff, Door Stuff, Felloes, Fence Pickets, Gun Stocks, Hand-spikes, Hoop and Hop Poles, Hubs, Lasts, Looking Glass Backs, Oars, Plane Stocks, Plough Handles, Sash Stuff, Spokes, Treennails and Turned Wood-Ware, per Ton measure of 40 Cube Feet - - - - -							2 0	2 0	2 0	1 3	5 3	0 0	

NOTE.—The following Way Rates to be levied on Vessels and Property passing the several Subdivisions of the Canals:—

*Welland Canal.*

1. From Port Maitland, Dunnville and Port Colborne to Port Robinson or Allanburgh not passing the Lock, each way—one-half rate.
2. From Chippewa Cut or part thereof, to Dunnville, Port Maitland, or Port Colborne—five-eighths rate.

3. From Port Maitland, Dunnville or Port Colborne to Port Robinson, and if going out at the Chippewa Cut—one-half rate.

4. From Dunnville to Port Colborne—three-eighths rate.
5. From Thorold to St. Catharines—one-quarter rate.
6. From Maitland, Dunnville, Colborne or Port Robinson to Marshville—one-quarter rate.
7. From Marshville to Maitland, Dunnville, Colborne, or Port Robinson—one-quarter rate.

8. From Port Robinson to Allanburgh or Thorold—one-eighth rate.
  9. From St. Catharines to Dalhousie, one-eighth rate.
  10. From Danville to Maitland—one-eighth rate.
  11. From Robinson through Lock or Chippewa Cut—one-eighth rate.
  12. Chippewa Cut or part thereof, to Port Robinson,—one-eighth rate.
  13. From Colborne to Maitland—three-eighths rate.
- Note.—Saw Logs to be charged 2d toll on entering, and 10d on leaving the Canal, whether passing through the Canal or through part of it only.

#### St. Lawrence Canal.

The Navigation to be divided into four Sections, viz: Edwardsburgh, Cornwall, Beauharnois and Lachine:—Vessels passing one section only, to be charged one quarter rate, two sections, one-half, and so on. These four Sections together constitute the St. Lawrence Canal.

Note.—Saw Logs to pay 2d on entering, and 2d on leaving the Canal, passing through the whole line, or only a section or part of a section.

#### Chambly Canal.

Vessels passing from Sorel to Chambly—one-third rate. Ditto from Chambly to St. John—two-thirds rate.

Note.—Saw Logs to pay 1d. entering the Canal and 1d. on leaving the Canal, whether passing through the Canal, or through a section or part of a section only.

#### Special Notice.

In lieu of the deductions of 25 per cent and 33 $\frac{1}{4}$  per cent, allowed by the Tariff of 1852, the Regulation hereunder mentioned has been established, to wit:

The following articles having paid full Tolls through the St. Lawrence Canal, to be passed FREE through the Welland Canal, and if having previously paid tolls through the Chambly Canal, such tolls to be refunded at the Canal Office at Montreal, viz:—Iron of all kinds and Salt; and the following articles having paid full tolls through the Welland Canal, to be passed FREE through the St. Lawrence and Chambly Canals, viz:—Wheat, Flour, and Corn.

Iron Ore through the whole line of Canals upwards or downwards, or through any one Canal, per ton, 3d.; and proportionate Toll for one or more sections of any one Canal.

General Note.—Vessels and Freight passing less than one section, to be charged one whole section.

The same rate of Toll to be taken each way, unless otherwise directed above.

#### STANDARD.

##### Articles equal to a Ton.

Apples and Green Fruit, 10 bls.; ditto dried, 10 bls.; Ashes, 4 bls.; Barley, 45 bush; Beans, 37 bush; Beef, 8 bls.; Biscuit and Crackers, 10 bls.; Butter, 8 barrels or 25 kegs; Corn, 40 bush; Fish (salted) 8 bls.; Flour, 10 bls.; Gypsum, 7 bls.; Lard or Tallow, 8 barrels or 25 kegs; Liquors and Spirits, 240 gal.; Liquids, all other, 240 gal.; Meals, all kinds, 10 bls.; Nuts, 2240 lbs. or 10 bls.; Oats, 56 bush; Oysters, 2240 lbs or 7 barrels; Pease, 37 bushels; Pork, 8 barrels; Potatoes, 40 bushels; Rye, 40 bushels; Salt, 8 barrels or 30 bushels; Seeds 10 barrels or 40 bushels; Whiskey, 5 barrels, or 240 gallons; Wheat, 37 bushels; Barrels, empty, 10; Barrel Hoops, 12 M; Board and other Sawed Lumber, inch measure, 600 superficial feet; Sawed Lumber less than inch thick, 600 superficial feet; Boat

knees four or 40 feet; Floats, 40 cubic feet; Saw logs, 40 cubic feet or two; Shingles, 12 M or bundles; Split poles and fence rails, 1 M; Square Timber, 50 cubic feet; Round or flatted, under 12x12 50 lineal feet; Traverses, 40 cubic feet; all other Timber or Wooden Articles as per Tariff, 40 cubic feet measurement.

Equal to 2 $\frac{1}{2}$  Tons.

Staves, Barrel, 1 Mille.

Equal to 3 1-5th Tons.

Fire Wood, 1 cord.

Equal to 5 Tons.

Stone, 1 cord.

Equal to 8 3-5ths Tons.

Staves, Pipe and heading, 1 mille; Ditto West India, ditto.

BURLINGTON BAY CANAL.—Application has been made to the Provincial Government to extend the South Pier of this Canal into Lake Ontario 500 feet, so as to make it a safe harbor in winter at all times. The following are the rates of toll at present charged:—Merchandise not enumerated, 3s. 9d. per ton; Flour, 1 $\frac{1}{2}$ d.; Pork and Beef, per bbl. 4d.; Brandy, Gin, Rum, Whiskey, Shrubs, Peppermint and Vinegar, per bbl. 6d.; Wine, 7 $\frac{1}{2}$ d. per bbl.; Wine, per pipe, 1s. 3d.; Butter and Lard, per bbl. 6d.; Butter and Lard, per keg or firkin, 2d.; Cheese, Beeswax and Tallow, per cwt. 3d.; Beer and Cider, per bbl. 4d.; Apples, Fresh and Dried Fruit, Nuts and Rice, per bbl. 2d.; Oil, per bbl. 6d.; Fish, salted or fresh, per bbl. 4d.; Fish, Dried Hams and Bacon, Sugar, per cwt. 2d.; Tobacco Leaf, per cwt. 3d.; Tobacco, (manufactured,) per cwt. 3d.; Biscuit, Crackers, and Oysters, per bbl. 4d.; Onions, Seeds, per bush, 1 $\frac{1}{2}$ d.; Bran, Ship Stuff, per ton 2s. 6d.; Wheat, Indian Corn, Rye, Barley, per bush, 1 $\frac{1}{2}$ d.; Oats, Potatoes, Beans, Peas, Seeds, and Vegetables of all kinds, per bush, 1 $\frac{1}{2}$ d.; Raw Cotton and Wool, per ton 2s. 6d.; Hay, Hemp, and Rags, per ton 1s. 8d.; Sheep, Hogs, Calves and Colts, each 1d.; Horses, Horned Cattle, Asses, each 3d.; Flax Seeds, and all other seeds in barrels, per bbl. 2d.; Salt, free; Sea Coal and Gypsum, not ground in bulk, per bbl. 2d.; Ground Gypsum and Cement, in barrels, per barrel 1d.; Gypsum, ground, in bulk, free; Pot and Pearl Ashes, per bbl. 7 $\frac{1}{2}$ d.; Pitch, Tar, Varnish, Turpentine, per bbl. 6d.; Brick, Sand, Lime, Clay, Grindstones, Cut Stones, Iron Ore, Millstones, per ton 10d.; Pig and Scrap Iron and Broken Castings, Wrought Iron, per ton 1s.; Iron Castings, going up, ditto: going down, per ton, 2s. 6d.; Mineral Coal, American, per ton 1s.; Charcoal, Copperas, and Manganese, Pig and Bar Lead, per ton 1s. 3d.; Lead, manufactured, per ton 3s.; Stones, unwrought, per cord, 10d.; Firewood, per cord, 2d.; Tan Bark, per cord, 7 $\frac{1}{2}$ d.; Stoneware and Earthenware, per ton 2s.; raw and dressed Hides and Skins, per cwt. 1d.; Furs, per cwt. 3d.; Furniture and Bargeage, per ton 1s. 3d.; Carts, Wagons, Sleighs, Ploughs, Mechanics' Tools, Farming Implements, per ton 2s. 6d.; Squared Timber, 12x12, round or flat, per M. c. feet, 3s. 9d.; Squared ditto under 12x12, round or flat, per M. c. feet, 2s. 6d.; Small round Building Timber, per M. lineal feet, 2s.; Boards, Planks, Scantling, and Sawed Lumber, per M. feet meas. 6d.; Pipe Staves and Heading, per Mille, 7s. 6d.; West India Staves and Headings per mille, 1s. 8d.; Headings, per mille, 16d.; Shingles, per mille, 3d.; Saw Logs, each 2d.; Cedar Posts, per cord, 1s. 3d.; Posts and Rails for fencing, per cord, 1s.; Empty Barrels, each 1 $\frac{1}{2}$ d.; Firkins, small Casks, Packages, &c. 1 $\frac{1}{2}$ d.

## PROGRESS OF EDUCATION IN UPPER CANADA.

*Educational Progress in Upper Canada, from 1842 to 1853.*—Statistics are sober facts. Though often eloquent, they have none of the illusion of romance. They are the pulse of national health and progress. They indicate its prosperity or its decay, and for this reason they are zealously and carefully compiled, and, by statesmen and public men, as carefully and anxiously scanned. They severally test alike the elaborate theory and the most carefully digested scheme. Viewed in this light they are of the utmost importance in testing our educational progress.

Impressed with a conviction of the present, as well as prospective value of minute and accurate statistics in regard to the yearly operations of our national system of schools, as a basis for future improvements, the head of the Educational Department for Upper Canada has offici-

ally collected, through the local school authorities, each year, a great variety of information relating to the working of every part of that system. This information has been embodied from time to time in his Annual Reports to the Governor General, and laid before the Legislature during each Session of Parliament.

The result of these extended and minute examination and enquiries from year to year has been in every respect most cheering and gratifying. Not that our progress has been equally certain and satisfactory in every department or every feature of our school system; but that we are now in possession of a series of yearly observations and facts, in regard, not only to our successes, but to our failures; showing alike our educational enterprise, and our culpable negligence in the performance of a public and important

feet; Saw logs, 40  
indies; Split poles  
cube feet; Round  
Traverses, 40 cubic  
feet as per Tariff.

duty; not only that tens of thousands of children are being trained up to intelligence and virtue in our public schools, but that thousands more never visit a school at all,\* or, if they do, it is but transiently; that in our cities and towns, while every facility for education is being liberally provided by the public, numbers choose to grow up in ignorance and vice, without control or restraint, and in violation of the implied social compact between citizens and communities.

It is satisfactory to know, however, that at every test-point of our system, patriotism and philanthropy unite to sustain, extend and perpetuate it; and were it not that selfishness and avarice too frequently influence some parents to sanction the absence of their children from school on the slightest pretext or pressure of business—to starve their intellect so as to enrich their pocket—the reproach which now exists would cease for ever.

One or two striking facts have become apparent in compiling a somewhat novel table for the Chief Superintendent's Annual Report for 1853. The table consists entirely of negatives. It is designed to show the number of children

in each county, city and town, who do not attend school, the per centage of the population who cannot read or write, the number of sections in which no rate was imposed by the trustees for the support of the school, and also those sections in which no lectures were delivered during the year by local superintendents, as required by law.

It is a singular coincidence, as exhibited by these tables, that the facts which they reveal all bear a mutual relation to, and are the exponents of, each other. Thus, for instance, in those counties in which a large per centage of the adult population cannot read and write, there is an equally large per centage of the children which do not attend school; low rates are imposed and few lectures delivered, in this way perpetuating the very disgrace or misfortune which exists in the locality. On the other hand, where the great majority of the people can read and write, there the absence from school is comparatively infrequent, larger rates are imposed, and more lectures are delivered by the local superintendents.

One thing is evident from this table of negatives, that those persons who have never themselves enjoyed the advantages of education, are instinctively opposed to placing it within the reach of their children; thus proving that, although they may have acquired wealth and a degree of influence without the aid of education, they are nevertheless utterly unable to appreciate the value of that mental discipline which would doubtless fit their children for attaining to still higher positions of honour, benevolence and usefulness in their country.

*A General Statistical Abstract, exhibiting the comparative State and Progress of Education in Upper Canada, as connected with Universities, Colleges, Academies, Grammar, Private, Common, Normal and Model Schools, during the years 1842 to 1853, inclusive. Compiled from returns in the Educational Department.*

SUBJECTS COMPARED.	1842	1844	1845	1846	1847	1848	1849	1850	1851	1852	1853
Adult Population, U. Canada	180055	183539	183539	183539	183539	183539	183539	183539	183539	183539	183539
Population between 5 & 16 yrs	141143	141143	141143	141143	141143	141143	141143	141143	141143	141143	141143
Colleges in operation	5	5	5	5	5	5	5	5	5	5	5
County Gram. S. & Academies	25	25	25	25	25	25	25	25	25	25	25
Private Schools reported	44	44	44	44	44	44	44	44	44	44	44
Normal and Model Schools	2	2	2	2	2	2	2	2	2	2	2
Common Schools	1721	2610	2736	2589	2727	2840	2871	2659	3001	3010	3127
Total Educat. Establishments	1795	2700	2836	2765	2803	2968	3076	3019	3220	3228	3301
Free Schools in operation	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Students of Colleges & Univer.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Academy & Gram. S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pupils in Private Schools	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total Students and Pupils of Normal & Model Schools	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pupils in Common Schools	65978	96756	110002	101012	124829	130739	138465	151891	181590	170587	194733
Total Students and Pupils of Universities, Colleges, Academies, Grammar, Private and Common Schools	65978	96756	110002	101012	131200	135265	144406	159078	175895	189610	203890
Total Amount available for Salaries of Com. S. Teachers	415000	517147	715147	670067	775090	866607	884787	884290	1020507	1139014	1300307
Do. for the erection of School Houses, &c.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total Amount available for Teachers' Salaries, erection of School Houses, &c.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Received by other Institutions	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total available for Education	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total Com. School Teachers	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Male do.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Female do.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Average number of Months each Com. School kept open	.....	77 1/2	8	8 1/2	8 1/2	9	9 1/2	9 1-11	9 1-15	9 1-15	12-30
Attendance, during Summer	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Boys	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Girls	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Attendance, during Winter	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Boys	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Girls	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

\* An Approximation only—no specific information having been received by the Department.  
NOTE.—The returns in the foregoing table up to the year 1847, are not very complete; but since that period they have been sufficiently so to establish a data by which to compare our yearly progress in educational matters. In consequence of a change in the School Law, no reports for the year 1843 were received. The returns are now pretty extensive, and embrace all Institutions of Learning from the Common School up to the University; but hitherto the sources of information regarding this latter class of Institutions have been rather private than official, which should not be the case. The Annual Report of a Department of Public Instruction should present, in one comprehensive tabular view, the actual state and progress of all our Educational Institutions—Primary, Intermediate and Superior.



The condensed statistics, which we give on the preceding page are taken from the Chief Superintendent's forthcoming Annual Report for 1853. They exhibit the following interesting facts and contrasts:—

In 1844, three years after the system was first organized, the number of common schools in operation in Upper Canada was 2,619, (and many of them very inferior indeed) while, in 1853, the number reported as in operation—many of which are very superior, and all of them greatly improved in every essential particular—was 3,127, an advance of twenty per cent. The multiplication of schools however does not necessarily indicate an improvement. The policy of the Department has been rather to encourage an enlargement of the boundaries of existing sections than to multiply new and feeble ones. The result has been the extinction of many of the old schools, and the re-division of townships into more compact and stronger school sections, sustained at a less aggregate expense to the township at large. The increase in the number of good schools has, therefore, been about 1,000, and has taken place in new townships and in the hitherto unsettled parts of old townships.

In 1844, the number of pupils reported as attending the common schools in Upper Canada, out of a school population of 183,539, between the ages of 5 and 16 years, was 46,756; while in 1853, the number reported as attending school, out of a school population of 282,071 was 194,736; showing therefore that while the school population has

not doubled, the school attendance has nearly quintupled that of 1844; or, in other words, while in 1844 the school attendance was only one fourth that of the school population, it is now nearly three fourths that of the entire school population! Cheering facts certainly.

In 1844, the total amount available from all sources for the payment of teachers' salaries in Upper Canada was £51,714 or \$206,866, while in 1853 it was \$520,156, or an increase of upwards of one hundred per cent. in nine years.

In 1850 (beyond which year our statistics on some of these points do not extend) the grand total available from all sources for teachers' salaries, the erection and repairs of school houses, and the purchase of school apparatus and requisites, amounted to upwards of \$40,000, while in three years it reached the noble sum of \$147,076, or upwards of half a million of dollars—more than three-fourths of which large sum was raised by the voluntary action of the people themselves, in their several localities. The additional amount reported as received and expended by grammar and other schools and colleges was \$150,104, thus making it appear that \$798,696 were available for the purposes of promoting general education in Upper Canada during the year 1853. No doubt the current year will witness enterprise and zeal no less creditable to Upper Canada, and no less gratifying to every lover and promoter of his country's educational advancement.

*STATEMENT showing the number of Books issued from the Educational Department to Public Libraries in Upper Canada up to the end of August, 1854.*

Number of vols. sent out during the Mouths of	History.	Zoology.	Botany.	Phænomena, &c.	Physical Sciences.	Geology, &c.	Natural Philosophy.	Chemistry.	Agricultural Chemistry.	Practical Agriculture.	Manufac- tures.	Modern Literature.	Ancient Literature.	Voyages, &c.	Biography.	Tales and Sketches.	Practical L.	Teachers' Library.	Grand totals.
November, 1853	168	62	16	29	15	5	9	6	9	48	36	70	20	54	126	284	4	961	
December - -	3990	1540	271	877	511	229	187	126	183	759	708	2187	417	1087	2791	4894	204	20661	
January, 1854-	624	279	46	143	34	30	34	29	48	151	98	289	19	291	435	545	34	3129	
February - -	1290	627	125	275	237	85	106	93	65	348	201	771	59	528	738	2252	74	7874	
March - - -	362	164	25	62	50	27	22	22	24	103	50	211	9	182	225	556	67	2161	
April - - -	174	101	13	34	28	13	11	10	8	42	33	111	4	96	110	248	13	1149	
May - - - -	797	472	56	112	98	45	66	40	32	156	145	502	25	291	597	1468	40	4948	
June - - - -	966	476	79	276	95	46	100	41	23	176	306	482	26	294	478	1286	56	5236	
July - - - -	1601	937	159	406	208	81	160	81	38	420	565	788	24	528	919	2320	70	6505	
August - - -	1028	574	92	199	136	61	106	70	24	411	415	555	...	447	677	2303	40	7142	
Total - - -	11030	5232	882	2413	1412	622	801	518	454	2614	2557	5966	603	3798	7096	16256	612	62866	

Total number of volumes sent out from the latter end of November, 1853, to the end of August, 1854—62,866.

## COLLEGES.

*University of Toronto.*—Visitor, His Excellency the Governor-General. Chancellor, Hon. William Hume Blake. Vice-Chancellor, Rev. John McCaul, LL.D. Members of the Senate, Hon. William Hume Blake, Chancellor; Rev. John McCaul, LL.D., Vice-Chancellor; Hon. William Henry Draper; Hon. Adam Ferguson; Joseph Curran Morrison, M.P.P.; John Langton, M.A., M.P.P.; David Christie, Esq.; William A. Logan, Esq., F.R.S.; Fred. W. Cumberland, Esq.; James J. Hayes, Esq., M.D.; Rev. John Taylor, M.D.; Rev. Adam Lillie, D.D.; Hon. C. Widner; Hon. Robert Baldwin; Rev. E. Ryerson, D.D.; The Principal of Queen's College for the time being, Rev. S. S. Nelles, M.A.; Very Rev. A. McDonnell; Rev. M. Willis, D.D.; F.W. Barron, M.A.; Rev. S. A. Gaudet; Jos. Workman, M.D. P. Freeland, Esq., Registrar. *University College*—President, Rev. John McCaul, LL.D. Vice-President, —. Professors: Classics, Logic, Rhetoric and Belles Lettres, Rev. J. McCaul, LL.D.; Metaphysics and Moral Philosophy, Rev. James Beaven, D.D.; Chemistry and Experimental Philosophy, H. H. Croft, D.C.L.; Agriculture, George Buckland; Natural Philosophy, J. B. Cherriman, M.A.; History and English Literature, Daniel Wilson, LL.D.; Natural History, Rev. Wm. Hinks, F.L.S.; Mineralogy and Geology, E. J. Chapman; Modern Languages, J. Forneri, LL.D.; Lecturer on Oriental Literature, J. M. Hirschfelder; Librarian, Rev. Alex. Lorimer.

*Upper Canada College.*—Principal, F. W. Barron, M.A.; First Classical Master, Rev. H. Scadding, D.D.; Mathematical Master, Rev. G. Maynard, M.A.; Second Classical Master, Rev. W. Stennett, M.A.; Third Classical Master, W.

Wedd, M.A.; French Master, J. P. De la Haye; First English Master, M. Barrett, B.A.; Second English Master, C. Thompson; Commercial Master, J. Dodd; Geometrical Drawing Master, J. G. Howard; Ornamental Drawing Master, J. Bull; Singing Master, J. D. Humphreys; Instrumental Music Master, A. Maul. The Resident School House is in full and successful operation: three College Masters reside in the building, one of whom is always on duty. Each boy has a separate dormitory. Baths have been fitted up for their comfort. Terms.—Autumn, from end of Summer Vacation to November 30; Winter, from 1st December to end of February (including Christmas Vacation); Spring, from 1st of March to May 15th, or Wednesday nearest thereto; Summer, from 15th May to July 21st, or Wednesday nearest thereto.

*Bursar's Department of the University and College at Toronto.*—Bursar, David Buchanan; Cashier or Chief Clerk, Allan Cameron; Book-keeper, M. Drummond; Assistant Clerk, James Nation; Messenger, William Morrow. Office, near the West end of Wellington Street.

*University of Queen's College, Kingston.*—Professors: Principal, and Primarius Professor of Divinity.

Rev. James George, Vice-Principal and Interim Lecturer on Systematic Theology; Rev. John Malcolm Smith, A.M., Professor of Hebrew, Biblical Criticism, and Church History; Rev. James Williamson, A.M., Professor of Mathematics and Natural Philosophy; Rev. James George, Professor of Logic and Mental and Moral Philosophy; Rev. George Weir, A.M., Professor of Classical Literature. Board of Trustees—Rev. James Williamson, A.M.; Rev.

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George; G.  
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284	4	961	
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545	24	3129	
2252	74	7874	
5576	67	2161	
2448	12	1149	
1468	40	4948	
1286	56	5236	
2220	70	6305	
2303	46	7142	
10256	612	62846	

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John Machar, D.D.; Rev. Hugh Urquhart, A.M.; Rev. Alexander Spence; Rev. John Barclay, A.M.; Rev. James George; Rev. James C. Muir; Rev. John McMorine; Rev. Alexander Mathieson, D.D.; Rev. John Cook, D.D.; Rev. Robert Neill; Rev. Robert McGill, D.D.; Hon. Archibald McLean; Hon. Thomas McKay; Hon. Peter McGill; James Hamilton, M.D.; Andrew Drummond, Esq., Treasurer; Hugh Allan, Esq.; John Cameron, Esq.; George Malloch, Esq.; John Mowat, Esq.; F. A. Harper, Esq.; John Thompson, Esq.; Joseph Bruce, Esq.; Hon. James Crooks; Hon. William Morris. Hon. John Hamilton, Chairman; *Medical Department.*—Professors: James Sampson, M.D. Clinical Medicine & Surgery; John Stewart, L.R.C.S. Ed. Anatomy and Physiology; John R. Dickson, M.D., Principles and Practice of Surgery; Horatio Yates, M.D., Theory and Practice of Medicine; William Hayward, M.R.C.S.L. Midwifery and Diseases of Women and Children. Prof. Williamson delivers lectures on Chemistry, in connection with the course on Natural Philosophy.

*University of McGill College.*—Visitor, His Excellency The Governor General; Governors—Hon. Charles Dewey Day, President; Hon. James Ferrier, Hon. Peter McGill, Thomas Brown Anderson, Esq., David Davidson, Esq., Hew Ramsay, Esq., William Foster Cullen, Esq., Benjamin Holmes, Esq., Andrew Robertson, Esq., Christopher Dunkin, Esq., Principal—Hon. Charles Dewey Day, LL.D. Fellows—The Deans of the Faculties of Law, Medicine and Arts; The Rector of the High School Department; Wolfred Nelson, Esq., M.D.; Alexander Morris, Esq., M.A.; Brown Chamberlin, Esq., B.C.L. *Faculty of Law.*—Dean of Faculty, Hon. Wm. Badgley, D.C.L.; Professor of Law, Hon. Wm. Badgley, D.C.L.; Lecturers, J. J. C. Abbott, Esq., B.C.L., and F. W. Torrance, Esq., M.A. *Faculty of Medicine.*—Dean of Faculty, A. F. Holmes, Esq., M.D.; Professor of the Theory and Practice of Medicine, A. F. Holmes, Esq., M.D.; Professor of Surgery, G. W. Campbell, Esq., A.M., M.D.; Professor of Midwifery and the Diseases of Women and Children, A. Hall, Esq., M.D.; Professor of Anatomy, O. T. Brueneau, Esq., M.D.; Professor of Clinical Medicine, James Crawford, Esq., M.D.; Professor of the Institutes of Medicine, William Fraser, Esq., M.D.; Professor of Chemistry, Wm. Sutherland, Esq., M.D.; Professor of Clinical Surgery, W. E. Scott, Esq., M.D.; Professor of Materia Medica, Wm. Wright, Esq., M.D.; Professor of Medical Jurisprudence, —; Demonstrator of Anatomy and Curator of Museum. — *Faculty of Arts.*—Vice Principal and Dean of Faculty, Rev. Canon Leach, D.C.L.; Prof. of Classical Literature, Rev. Benjamin Davies, Ph. Dr.; Professor of Mathematics and Natural Philosophy, William Andrew, Esq., M.A.; Professor of Moral Philosophy and Logic, the Rev. Canon Leach, D.C.L.; Professor of History, Ancient and Modern, Henry Aspinwall Howe, Esq.; Professor of Hebrew and Oriental Literature, Rev. A. DeSola, Lecturer on French and German Literature, Charles F. A. Markgraf, Esq.; *High School Department.*—Rector, Professor H. A. How; First Assistant Master, T. A. Gibson, Esq., M.A.; Second Assistant Master, David Rodger, Esq.; Third Assistant Master, W. Bowman, Esq.; Fourth Assistant Master, G. A. Robertson, Esq.; French and German Master, C. F. A. Markgraf, Esq. Preparatory Class, Mr. Bowman.

*University of Victoria College, Colvour.*—College Senate. Honorables President of the Executive Council, Speaker of the Legislative Council. Speaker of the Legislative Assembly, Attorney General West, and Sol. Gen. West; Revs. E. Ryerson, D.D.; S. S. Nelles, A.M.; Enoch Wood, John Ryerson, William Case, Anson Green, D.D., Richard Jones, G. L. Sanderson, S. D. Rice, and J. Musgrove; W. Kingston, A.M., J. Beatty, M.D., J. Wilson, A.B.T.C.D., John P. Rollin, Hon. James Ferrier, John Counter, O. W. Powell, and James L. Bigger, Esqs.; *Faculty of Arts.* Rev. S. S. Nelles, A.M., Principal, and Professor of Moral Science and Rhetoric; W. Kingston, A.M., Professor of Mathematics; John Beatty, M.D., Professor of the Natural Sciences; John Wilson, A.B.T.C.D., Professor of the Latin and Greek Languages; John Campbell, Classical Tutor; Thomas A. Ferguson, English Teacher; Rev. G. R. Sanderson, Secretary of the Board of Victoria College; Rev. S. D. Rice, Treasurer and Agent. The Sessions commence on the 3rd Thursday in June, and the 3rd Thursday in October of each year; and close on the last Wednesday in September, and the last Wednesday in April. *Faculty of Medicine.*—Professors, John Rolph, M.R.C.S. Eng.; Joseph Workman, M.D.; Michael Barrett, M.A., Licet. Med. & Sur.; Henry H. Wright, M.C.P. & S. The Session is held at Toronto in the Toronto School of Medicine. Session opens October 1st, and closes April 1st, annually.

*University of Trinity College, Toronto.*—Incorporated by Royal Charter, 1852.—Council, the Honorable and Right Rev. the Lord Bishop of Toronto, the Hon. Sir J. B. Robinson, Bart., the Rev. the Provost of Trinity College, Prof. Hodder, Prof. Vankoughnet, Rev. Professor Parry, Rev. Prof. Irving, the Ven. George O'Kill Stewart, D.D., LL.D., the Ven. A. N. Bethune, D.D., LL.D., Alexander Burnside, The Rev. H. J. Grasset, B.D., G. W. Allan, John Arnold, Lewis Moffatt, Hon. James Gordon, Mr. Vice-Chancellor Spragge, James M. Strachan, Sir Allan N. McNab, M.P.P., Trustees, Rev. H. J. Grasset, B.D., G. W. Allan, Lewis Moffatt, Treasurer, Hon. George Crookshank, Hon. James Gordon, Secretary, Charles Magrath. Officers of the College: Provost, George Whitaker, M.A.; Professor of Divinity, the Provost; Professor of Classics, E. St. John Parry, M.A.; Professor of Mathematics, E. C. Irving, M.A. Professors of the Faculty of Law, Hon. J. H. Cameron, J. H. Hazarty, P. M. Vankoughnet. Professors of the Faculty of Medicine: Obstetrics, E. M. Hodder, M.D., M.R.C.S. Eng.; Institutes of Medicine, James Bayell, M.D., M.R.C.P. Eng.; Principles and Practice of Surgery, C. J. Philbrick, F.R.C. S. Eng.; Anatomy and Physiology, N. Bethune, M.D., M. R.C.S. Eng.; Practice of Medicine, E. Badgley, M.D., M.R.C.S. Eng.; Materia Medica and Therapeutics, W. Halliwell, M.D., M.R.C.S. Eng.; Chemistry, H. Y. Hind, M.A.; Professor of Music, G. W. Strathy, Mus. Doc.

*Bishop's College, Lennoxville.*—Principal and Professor, Rev. Jasper Hume Nichols, M.A., late Michael Fellow of Queen's College, Oxford. Principal and Professor of Divinity, Rev. Isaac Holmuth, Professor of Hebrew and Rabbinical Literature; Edward Chapman, B.A., Coll. of Science, Cambridge, professor of Classical Literature; Henry Miles, M.A., Professor of Mathematics, &c.

*College of Ryegate, Kingston.*—President, Very Rev. Angus McDonnell, V. G.; Professor of Logic and Theology, Rev. John O'Neill; Professors, John O'Connor, Michael Clune, Philip McMahon, and H. Burns.

*College of Ryegate.*—President, Rev. Aug. Gaudet; Director, Rev. Nap. Mignault; Regents, Edward Pelinot, Arthur Mignault, Ben. Bernard, Thomas Mongin.

*St. Michael's College, Church Street, Toronto.*—The Fathers of the Order of St. Basil have charge of St. Michael's College, Church Street, Toronto, for the education of Candidates for the Sanctuary, and of other youths in the Classics and higher branches.

*Knox's College, Toronto.*—Primarius Professor of Divinity &c., Rev. Michael Willis, D.D. Second Professor of Divinity, &c., Rev. George P. Young; Classical Tutor and Superintendent of Boarding House, Mr. Smith.

*The Congregational Theological Institute.*—Treasurer, Rev. J. Roaf; Secretaries, Patrick Freeland and Rev. Edward Ebbs; Committee, Rev. Professor Lillie, Rev. Arthur Wickson, A.M.; Revs. K. M. Fenwick, F. H. Marling, J. Byrne, with Peter Freeland, W. F. Meudell, John Nasmith, John Wightman, and Alexander Christie.

*Divinity Hall of the United Presbyterian Synod.*—The Divinity Hall meets in Toronto on the 1st Tuesday in August, and continues in session ten weeks. Professor, the Rev. Dr. John Taylor.

*Quebec School of Medicine.*—President, Dr. Morin; Lecturers, Midwifery, Dr. Painchaud; Practice of Physic, Dr. Sewell; Practice of Surgery, Dr. Fremont; Medical Jurisprudence, Dr. Barry; Materia Medica, Dr. Nault; Chemistry, Dr. Jackson; Anatomy and Physiology, Dr. Landry; Clinical Medicine, Dr. Painchaud; Clinical Surgery, Dr. Jackson; Botany, Dr. Barty; Secretary, P. M. Eady. A six months' Course of Lectures is delivered at this School, commencing the first week of November, and terminating the last week of April.

*The Montreal School of Medicine.*—Anatomy, Dr. Munro; Practice of Medicine, Dr. Beaubien; Chemistry, Dr. Codere; Midwifery, Dr. D'Orsomans; Institutes of Medicine, Dr. Peltier; Materia Medica, Dr. Boyer; Anatomy, Dr. Bibaud; Demonstrator, Dr. Regnier. A six months' course is delivered at this School, but in the French Language only.

*The St. Lawrence School of Medicine.*—Lecturers: Surgery, Dr. Macdonnell; Medicine, Dr. David; Midwifery, Dr. Arnold; Materia Medica, Dr. Fenwick; Chemistry, Dr. R. P. Howard; Anatomy, Dr. Jones; Ophthalmic and Aural Surgery, Mr. H. Howard; Institutes of Medicine, Dr. Gibb.

*Department of Public Instruction for Upper Canada.*—For the executive management of the Normal, Model, Grammar and Common Schools of Upper Canada, and general administration of the School Laws. Chief Superin-

tendent, Rev. Egerton Ryerson, D.D.; Deputy Superintendent and Chief Clerk, John George Hodgins; Second Clerk, Thomas Hodgins; Extra Clerks, A. J. Williamson, Samuel May, Alexander Marling and Thomas C. Seoble; Education Office, Normal School Buildings, Toronto; Office hours, from 9 a.m. to 4 p.m.

**Council of Public Instruction.**—Appointed to superintend the Normal and Model Schools; to make general regulations for the government of Grammar and Common Schools, and examination of Masters and Teachers, and to authorize text and library books for the schools and libraries under the control of the Educational Department; Chairman, Hon. Samuel Bealy Harrison, Q.C.; Members, Rev. Egerton Ryerson, D.D., Chief Superintendent; Right Rev. A. F. M. de Charbonnel, D.D., Roman Catholic Bishop of Toronto; Rev. H. J. Ouselet, D.D.; Joseph Curran Morrison, Q.C., M.P.P.; James Scott Howard; Rev. John Jennings, and the Rev. Adam Lillis. Members for the purpose of the Grammar School Act, Rev. John McCaul, LL.D., President of University College, and the Presidents of the Colleges affiliated with the University of Toronto; Recording Clerk, John George Hodgins.

**Provincial Normal and Model Schools.**—For the instruction and training of Teachers. Normal School, Thomas Jeffrey Robertson, Head Master; Rev. Wm. Orniston, A.B., Second Master; Archibald McCallum, Teacher of Book-keeping; William Hind, Teacher of Drawing; Elton Tupper, Teacher of Vocal Music; Henry Goodwin, Teacher of Gymnastics and Calisthenics. **Model Schools.**—In which the Normal School students practice the art of teaching:

Archibald McCallum, Master of Boys' and Girls' Schools; Warren Rock, Second Master Boys' School; Dorcas Clark, First Assistant Girls' School; Catharine Johnson, Second Assistant Girls' School; Wm. Hind, Teacher of Drawing; Elton Tupper, Teacher of Vocal Music; Henry Goodwin, Teacher of Gymnastics and Calisthenics. The Sessions of the Normal School commence on the 15th May and 16th November of each year, and continue for five months each.

**County Grammar Schools.**—Each of these Schools is managed by a Board of Trustees, two members of which retire annually; their successors to be appointed by the County Council. There is one Grammar School in each County Town, which receives at least £100 per annum; and where the funds will admit of it, others may be established in different parts of the County. Pupils attending these Schools are prepared for entrance to the University Colleges. There were 64 Grammar Schools in Upper Canada, in 1853.

**Common Schools.**—Each township is divided into school sections of a suitable extent for one school; and in each of these sections three Trustees are elected to manage its school affairs. In cities, towns and villages they are managed by a Board of School Trustees elected for each Ward or Municipality. There were 3127 Common Schools in Upper Canada in 1853.

The total number of educational institutions reported by the Department of Public Instruction as in operation in Upper Canada during 1853, was 3488, attended by 203,155 pupils, and expending £199,674 1s. 6d. in their support.

## MEDICAL.

**Medical Board, Upper Canada, Toronto.**—President, The Hon. C. Widmer, M.D. and F.R.C.S., Eng.; Secretary, E. Clarke, M.R.C.S.E.; W. C. Gwynne, M.B.; W. Teller, M.R.C.S.E.; W. Duple, K. H.; J. King, M.D.; W. Beaumont, M.R.C.S.E.; G. Herriek, M.D.; W. B. Nimol, M.D.; John Rolph, M.R.C.S.E.; James Bovell, M.D.; Joseph Workman, M.D.; Edward M. Hodder, M.C. & M.R.C.S.E.; James Sampson, Kingston; Hannanus Smith, Ancaster; James Wilson, Perth; Basil R. Church, Merrickville; W. H. Brouse, Prescott; Robert Edmondson, Brockville; W. H. Howard, Farmersville; Henry H. Wright, Toronto; W. Allison, Markham; Frederick McDonald, Cornwall; George H. Park, Hamilton; James Mitchell, Dundas; John Fraser, Pelham; Thomas T. Macklem, Chippawa; Ephraim Cook, Norwich; John B. Crouse, Simcoe; George Southwick, St. Thomas; Wm. T. Atkins, Toronto, and Thomas D. Morrison, Toronto, Physicians and Surgeons. The Medical Board is governed by the Upper Canada Acts of 1818, 50 Geo. 3, Cap. 13; of 1819, 59 Geo. 3, Cap. 2; of 1827, 8 Geo. 4, Cap. 3; and the Act of the Province of Canada, 4 & 5 Vic. Cap. 41, passed in 1841. The Members of the Board are appointed from time to time by the Governor. The duties of the Board are to examine applicants for license to practise Physic, Surgery and Midwifery, or either, within the Province; and upon their certificate in favour of the candidates, the Governor may grant such license. The sittings of the Board are at Toronto on the first Monday in January, April, July, and October, in each year. Parties exhibiting diplomas or licenses from any University in Her Majesty's dominions, or from the Royal College of Physicians or of Surgeons in London, as Physicians or Surgeons, or Commissions or Warrants as Physicians or Surgeons, in Her Majesty's Naval or Military Services, and making affidavit of their identity, before a County Judge in Upper Canada, may receive license from the Governor, without examination by the Board. Persons who have been appointed to the Medical Board, and persons actually employed as Physicians or Surgeons in Her Majesty's Forces, may practice here without license. Females may practise Midwifery without license. There is a general prohibition against practising without license (with the exceptions named), and parties offending are liable to prosecution and punishment for misdemeanor. Medical men, authorized to practice in Upper or Lower Canada, may practise throughout the whole of the Province of Canada. Vide 4 & 5 Vic. Cap. 41.

**Provincial Lunatic Asylum, Toronto.**—Two and a half miles West from the City Hall, on Queen Street. Property vested in the Crown. Government appoint Medical Superintendent and Bursar, and four visiting commissioners quarterly, two of whom are residents of the city, who frame by-laws for its government, thoroughly examine the

Asylum, and report to the Governor-General. The building was designed to accommodate, when the wings are erected, 250 patients; there are at present 370 in it. The Institution is open to the public between the hours of 12 noon and 3 p.m. every day, Saturdays and Sundays excepted, by application to the Medical Superintendent at the Asylum. The admission of patients is regulated by the Act, 16 Vic. chap. 188, which requires that the patient be examined by three licensed medical practitioners, verified by Reeve or Mayor collectively, who certify to the insanity. From the overcrowded state of the house, admissions are at present made as vacancies occur, according to priority of application. Idiots and persons afflicted with paralysis are inadmissible. Visiting Commissioners, G. S. Tiffany, Chairman, E. F. Whittemore, W. L. Perrin, and John Simpson, Esquires. Officers of the Institution: Medical Superintendent, Joseph Workman, M.D.; Bursar, James McKirdy; Steward, Collis S. Eastwood; Matron, Mary Ann Parkes.

**Toronto General Hospital.**—Incorporated 1847.

Trustees:—

Hon. C. Widmer, M.D.	} Appointed by Government.
James Beatty, Esq., John Doel, Esq.	
By Corporation - - - - -	J. G. Bowers, Esq.
By Board of Trade - - - - -	Thos. Clarkson, Esq.

Consulting Physician and Surgeon, Hon. C. Widmer, M.D. Attending Physicians and Surgeons, Walter Teller, M.R.C.S., Edin.; Geo. Herriek, M.D.; W. R. Beaumont, M.D., F.R.C.S., Eng.; E. M. Hodder, M.D., M.R.C.S., Eng.; James Bovell, M.D., L.R.C.P., London; W. F. Atkins, M.D.; H. H. Wright, M.D.; Edward Clarke, M.R.C.S., Eng., Resident Surgeon. J. W. Brent, Secretary and Treasurer. Hours of attendance, 12 o'clock, noon, daily, during the Winter Session. Clinical Lectures are given twice a week, on Medical and Surgical cases in the Hospital: Medical on Wednesday at 1 o'clock, by Professor Bovell; Surgical on Saturday at 1 o'clock, by Professor Hodder. Visitors are permitted to see their friends every day from 3 to 5 p.m., except Saturday and Sunday.

**Kingston General Hospital.**—Board of Management: Kenneth Mackenzie, County Judge; D. Rollin, Warden; T. A. Corbett, Sheriff; the Mayor and three Aldermen of the City; Medical Attendant, Dr. Harvey; Secretary, M. Flanagan.

**House of Industry, Toronto.**—Medical Attendants, Drs. Badgley, Bovell and Bethune.

Court of  
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Panel, T. C.  
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## JUDICIARY—LOWER CANADA.

*Court of Queen's Bench.*—Chief Justice, Hon. Sir L. H. La Fontaine, Bart.; Puisne Judges, Hons. J. R. Rolland, Phil. Panet, T. C. Aylmer. Appeal Side, Terms—Quebec, 7th to 18th January, and 1st to 12th July. Montreal, 1st to 12th March, and 1st to 12th October. Crown Side, Terms—Quebec, 20th January and 14th July. Montreal, 14th March and 14th October. Three Rivers, 2nd February and 11th September. Sherbrooke, 12th February and 1st September. Kamouraska, 5th April and 5th November. Aylmer, 10th June and 10th Dec. Gaspe: The Circuit Judges exercise criminal jurisdiction in Term.

*Superior Court.*—Chief Justice, Hon. F. Bowen; Puisne Judges, Hons. John H. Duval, Wm. C. Meredith, and R. E. Caron. Quebec, Hons. C. D. Day, James Smith, C. Mondelot, and Geo. Vanclon. Montreal: Hon. D. Mondelot, Three Rivers: Hon. E. Short, Sherbrooke, Terms—Montreal, from 17th to 27th February, March, April, May, June, September, October, November, and December. Quebec, from 1st to 5th February, March, April, May, September, October, and December, and 20th to 25th June and Nov. Three Rivers, 12th to 25th February, 1st to 11th June, and 1st to 14th November. Sherbrooke, 20th to 31st January, 10th to 27th July. Kamouraska, 29th March to 24th April, and 20th October to 4th November. Aylmer, 1st to 10th February, and 1st to 10th July. Perce, 21st to 31st

August. New Carlisle, 4th to 15th September. The sittings at Perce and New Carlisle, in the District of Gaspe form only one Term. The Governor may authorize the holding of another term annually in this District.

*Circuit Courts.*—Judges—Wm. Power, Esq., Quebec; H. Guy, J. S. McDord, and J. C. Bruneau, Esqrs., Montreal; J. G. Thompson, and J. E. Dellois, Esqrs., Gaspe; J. A. Taschereau, Esq., Kamouraska; and W. K. McDord, Esq., Aylmer.

*Quarter Sessions.*—Quebec, Montreal, Three Rivers—commence severally, 8th January, 4th April, 4th July, and 4th October. Sherbrooke—commences 8th Jan, 8th April, 8th July and 8th of October. Kamouraska, from 7th to 15th January, and 15th to 24th July. Aylmer, 5th April and 5th October. Gaspe—At Perce and at the Basin, and at New Carlisle and Carleton, the three days succeeding the sittings of the Circuit Court at these places respectively.

*Vice Admiralty Court.*—Judge, Hon. H. Black, Quebec; Registrar, Charles Drolet; Marshal, J. B. Parkin.

*Commissioners' Courts* held monthly in the country Parishes, for determining cases by a summary way, not exceeding \$6 currency each in amount.

## Judicial Officers, &amp;c.

Chief of Appeals, J. U. BARNES.

District.	Prothonotaries and Clerks of Circuit Courts.	Clerks of Crown.	Sheriffs.	Clerks of Peace.	Councers.
Quebec . . .	(E. Burroughs and L. Fiset, S. W. Monk, W. C. H. Coffin and L. J. A. Papineau.	James Green . .	W. S. Sewell . .	(F. X. Perrault and P. Doucet.	(E. A. Panet and J. A. Panet.
Montreal . . .	(E. Bernard and V. E. Verina, W. Bell and John Short, Philippe Chablon, Chas. Dery, A. J. Dumoulin, J. J. Wilkie and G. F. Tremblay.	A. M. D. H. . .	John Boston . .	(A. M. Dellois and W. H. Brabant.	(Joseph Jones and Charles Coursol.
Three Rivers . .	(E. Bernard and V. E. Verina, W. Bell and John Short, Philippe Chablon, Chas. Dery, A. J. Dumoulin, J. J. Wilkie and G. F. Tremblay.	E. Bernard . . .	I. Ogden . . .	H. B. Hughes . .	V. Guilford.
St. Francis . .	(E. Bernard and V. E. Verina, W. Bell and John Short, Philippe Chablon, Chas. Dery, A. J. Dumoulin, J. J. Wilkie and G. F. Tremblay.	(W. Bell and John Short.	F. G. Bowen . .	(W. Bell and John Short.	(C. A. G. de Tonnemour.
Kamouraska . .	(E. Bernard and V. E. Verina, W. Bell and John Short, Philippe Chablon, Chas. Dery, A. J. Dumoulin, J. J. Wilkie and G. F. Tremblay.	Charles Dery . .	Ovide Martineau .	Charles Dery . .	(D. S. Marquisand P. L. Gauvreau.
Gaspe . . .	(E. Bernard and V. E. Verina, W. Bell and John Short, Philippe Chablon, Chas. Dery, A. J. Dumoulin, J. J. Wilkie and G. F. Tremblay.	(J. Wilkie and G. F. Tremblay.	Martin Sheppard .	(John Wilkie and G. F. Tremblay.	(W. Tilly and J. G. Lebel.
Ottawa . . .	Amie Lafontaine .	A. Lafontaine . .	L. M. Centee . .	A. Lafontaine . .	A. Larue.

## DISTRICT OF QUEBEC.

*Bellevue*—P. Forques, St. Michael.  
*Dorchester*—Division No. 1.—R. A. Fortier, Ste. Marie.  
 Division No. 2.—F. M. Guay, St. Joseph de la Pointe-Levy.  
*L'Islet*—J. D. Lapine, L'Islet.  
*Lobineau*—Rene S. Noel, Ste. Croix.  
*Montmorency*—Division No. 1.—L. C. Lefrancois, Chateau Richer; Division No. 2.—P. Gosselin, St. Jean, Isle d'Orleans.  
*Megantic*—Division No. 1.—John R. Lambly, Leeds. Division No. 2.—Jean P. Proulx, Tring.  
*Port Neuf*—R. Lelievre, Cap-Sainte.  
*Quebec*—S. C. Montizambert, Quebec.  
*Saguenay*—Division No. 1.—C. Duberger, Eboulements. Division No. 2.—F. X. Latere, Chicoutimi.

## DISTRICT OF THREE RIVERS.

*Champlain*—E. Filteau, Ste Genevieve de Batiscan.  
*Drummond*—Edmund Cox, Drummondville.  
*St. Maurice*—G. Duval, Three Rivers.  
*Nicolet*—Joseph Jutras, Beaucourt.  
*Yamaska*—J. O. Arcand, St. Antoine de la Baie.

## DISTRICT OF MONTREAL.

*Beauharnois*—D. K. Lighthall, Durham, Ormstown.  
*Berthier*—J. B. Chalut, Berthier on haut.  
*Chambly*—Thomas Austin, Chambly.  
*Huntingdon*—Division No. 1.—W. F. Hawley, Laprairie. Division No. 2.—P. Gosselin, Isle d'Orleans.

*Inter—L. Archaibeault, L'Assomption.*  
*Montreal*—G. H. Ryland, Montreal.  
*Nicolet*—R. Dickinson, Fredrichsburg.  
*Richelieu*—P. Chevalier, St. Ours.  
*Rouville*—F. F. Z. Hamel, St. Athanas.  
*St. Hyacinthe*—H. R. Germain, St. Hyacinthe.  
*Shefford*—Hiram S. Foster, Shefford.  
*Two Mountains*—Daniel DeHertel, L'Isle Beaud.  
*Terrebonne*—Joseph Lachaine, Ste Therese de Blainville.  
*Vaudreuil*—H. Ste Charlebois, Vaudreuil.  
*Vercheres*—P. Monard, Vercheres.

## DISTRICT OF ST. FRANCIS.

*Sherbrooke*—William Ritchie, Sherbrooke.  
*Stanstead*—C. A. Richardson, Stanstead Plains.

## DISTRICT OF GASPE.

*Bouaventure*—Jos. Guillaume le Bel, New Carlisle.  
*Gaspe*—Peter Winter, Perce.

## DISTRICT OF KAMOURASKA.

*Kamouraska*—J. G. Tache, St. Andrews de Kamouraska.  
*Rimouski*—Division No. 1.—J. Heath, Isle Verte. Division No. 2.—Louis F. Giron, Rimouski.

## DISTRICT OF OTTAWA.

*Ottawa*—J. F. Taylor, Aylmer.

## JUDICIARY—UPPER CANADA.

*Court of Appeal.*—Judges, the Judges of the Superior Courts of Law and Equity. Clerk, the Registrar of the Court of Chancery, Toronto.

*Court of Queen's Bench.*—Chief Justice, Hon. Sir J. B. Robinson, Bart. Puisne Judges, Hon. W. H. Draper and R. E. Burns. Clerk of the Crown and Pleas, C. C. Small. Reporter, J. Lukin Robinson, Toronto.

*Court of Chancery.*—Chancellor, Hon. W. H. Blake. Vice-Chancellors, Hons. J. C. P. Esten and J. G. Spragge. Master, A. N. Buell. Registrar and Reporter, A. Grant. Long vacation from 1st July to 21st August.

*Court of Common Pleas.*—Chief Justice, Hon. J. B. Macaulay. Puisne Judges, Hons. A. McLean and W. B. Richards. Clerk of the Crown and Pleas, L. Heydon. Reporter, E. C. Jones, Toronto.

*Clerks of Assize.*—W. A. Campbell, Toronto: the Deputy Clerks of the Crown are ex officio Clerks of Assize and Marshals in their respective counties.

*Deputy Clerks of the Crown.*—The Clerks of the County Courts will be ex officio Deputy Clerks of the Crown and Pleas of their several counties as the present incumbents vacate by death or otherwise.

*Law Terms.*—Hilary begins first Monday in February, and ends Saturday of the ensuing week; Easter begins 1st Monday in June, and ends Saturday of the ensuing week; Trinity begins last Monday in August, and ends on the Saturday of the ensuing week; Michaelmas begins third Monday in November and ends Saturday of the ensuing week. Long vacation commences 1st July, and ends 21st August.

*Circuits.*—The Circuits are held twice a year in each County, between Hilary and Easter Terms, and between Trinity and Michaelmas Terms, except in the County of York, where there are three in each year, commencing on the first Thursday in January, the first Monday in May, and the second Monday in October, in each year. There are six Circuits, as follows, viz.:—*The Eastern:* Perth, Cornwall, Bytown, L'Orignal, Brockville. *Home:* Niagara, Whitby, Hamilton, Cayuga, Barrie, Sydenham. *Western:*

St. Thomas, Sandwich, Sarnia, Chatham, London, Goderich. *Midland:* Peterborough, Cobourg, Belleville, Picton, Kingston. *Oxford:* Simcoe, Brantford, Guelph, Berlin, Stratford, Woodstock. *Toronto:* Toronto.

*Heir and Devisee Court.*—Commissioners, the Judges of the Superior Courts, and such other persons as may be appointed by commission under the Great Seal. Their duties are to determine claims to lands in Upper Canada, for which no patent has issued from the Crown in favour of the proper claimants, whether as heirs, devisees or assignees. *Sittings,* at Toronto first Monday in January and July in each year. Clerk to the Commissioners, W. H. Lee, Executive Council Office, Quebec.

*Court of Probate.*—Official Principal, S. Brough, Toronto. Registrar, C. Fitzgibbon, Toronto.

*County Courts.*—Presided over by resident Judge in each county; these Courts possess equity powers.

*Insolvent Debtors' Court.*—The County Judge in each county presides.

*Quarter Sessions.*—Chairman, the County Judge in each county, who, with one or more Justices of the Peace, holds a Court of Quarter Sessions in his county four times a year for trials by jury in cases of larceny, misdemeanor and other offences. *Sittings,* first Tuesday in January, April and July, and the third Tuesday in November, with power of adjournment.

*Recorders' Courts.*—In the Cities of Toronto, Hamilton, and Kingston, the Recorders' Court takes the place of the County Sessions, the Justices for Counties having no jurisdiction in the Cities—the care of which is confided to the Recorder, Mayor, Aldermen and Police Magistrate of each. The City Sessions are held on the first Monday in January, April, July and November.

*Division Courts.*—For the summary disposal of cases by the County Judges. Courts are held once in two months in each division, or oftener, at the discretion of the Judge. The divisions are established by the Courts of Quarter Sessions. The jurisdiction of these Courts has been enlarged by the Act of 1853.

## THE ANATOMY OF MAN'S BODY,

As governed by the twelve constellations, according to ancient astrology.

Head and Face ♄

Arms.

♏

Heart.

♌

Reins.

♎

Thighs.

♏

Legs.

♏



Feet ♏

Neck.

♏

Breast.

♏

Bowels.

♏

Secrets.

♏

Knees.

♏

To know where the sign is, first find the day of the month in the calendar page, and against the day in the last column you have the sign or place of the moon; then find the sign here, and it will give you the part of the body it is supposed to govern.

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A. Mercu  
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Lenoir, P  
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Rouisse, J

College  
J. J. Pala

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## ERRATA ET ADDENDA.

## R. C. Clergy, Diocese of Montreal.

The following corrections in the list of R. C. Clergy of the Diocese of Montreal, page 51, were received too late to be made in their proper place:—

*Seminaire de Montreal*—P. Billaud, S. G. Superieur; J. Comte, Procureur; J. B. St. Pierre, R. Larue, J. V. Arraud, L. Rogourd, L. Villeneuve, B. Granjon, J. Toupin, A. Neream, E. Picard, M. C. L. Bonissant, A. L. Barbarin, A. Mercier, Econ., L. Pelissier, J. J. Connolly, H. Prevost, cure d'office, V. Rousselot, F. Daniel, J. J. Perrault, J. F. Lacan, C. Desmaures, C. J. Burdoy, C. D. Tambureau, C. Lenoir, P. Dowd, P. McCulla, M. O'Brien, P. Murphy, W. Hall y.

*Eglise de St. Pierre*—Les RR. PP. Oblats. Santoni, Provincial, J. B. Honorat, Leonard, Lagler, Garin, Rouge, Rouisse, Antoine, Roger.

*College de Montreal*—P. P. Denis, Directeur, L. L. Billon, J. J. Palatin, J. De la Vigne, B. Larue, P. Rousseau.

*College des Jesuites*—RR. PP. Martin, A. Havesque, A. Larcher, Vignon, Braun, Ouellet, Vetter, O'Reilly, Desjardins, Horson, Cleatory, Michel, Noviciat des Jesuites au Sault au Recollet—P. P. Sacher.

*Hospice St. Joseph, a Longue Pointe*—J. M. Bellenger, O. S. Paquet, P. Mercuro.

*College Masson*—S. Theberge, Directeur.

## ISLE DE MONTREAL.

*St. Laurent*—M. M. St. Germain, Verriard, vicaire. *St. Anne, J. Lasnier. Pointe-Claire*—E. C. Fabre. *St. Bixard*—Quevillon.

## ISLE JESUS.

*St. Vincent*—L. Plette, vicaire.

## COTE DE NORD.

*St. Sulprice*—Brisette, assistant. *St. Jacques de l'Archigan*—J. Perrault, vicaire. *St. Liguori*—J. Barrette, Randon—L. Pomerville, St. Alphonse—B. Quinn, St. Cuthbert—L. J. Martel. *St. Sauveur*—J. Watier. *St. Eustache*—Despre, vicaire. *St. Benoit*—A. F. Groulx, S. Placide—Alfred Toupin. *Fautrel*—N. Perrault, vicaire. *Rige*—Berard, vicaire. *St. Timothee*—L. Gariepy, vicaire. *St. Clement*—Perrault, vicaire. *St. Urban*—U. Archambault, Sault St. Louis—J. Marcoux, Piche, vicaire. *St. Edouard*—L. I. Huot, St. Michel—M. Foley, J. B. Lemonde, vicaire. *Hemmingford*—A. O'Malley, Sherrington—J. Gratton, A. Rem—P. Bedard, W. Dlan, vicaire. *St. Jean-Dorch*—C. Larocque, Menard, vicaire. *Blairfinnie*—R. Robert, J. E. Lemonde, vicaire. *St. Cyrien*—C. F. Morrison, Chagnon, vicaire. *St. Bernard*—F. Rochette, Lopraris—J. Gravel, F. X. Bourdonnais, vicaire. *Ch. des Srs. de J. M.*—L. P. vest. *Chambly*—J. O. Chénoue, vicaire.

## Bible Christian Church.

The following corrections in the published list of the "Bible Christian Church in Upper Canada" were received too late to be made in their proper place, page 56:—The next annual meeting to be held at Columbus, Whitty to commence the first Wednesday in June, 1855, page 57 read—*Cobourg*—J. H. Eynon, J. Pinch, J. Edwards, superannuated; J. Langdon, superannuated. *Peterborough*—W. Hooper, R. Miller. *Hastington*—T. Green, chairman. *Seymour*—A. Doble. *Hungerford*—Henry Stevens.

## BOWMANVILLE DISTRICT.

*Darlington*—P. Robins, H. Ebbott, J. Hughes, G. L. Craft, superannuated. *Mariposa*—A. Morris, J. Boyce, ton. *Pickering*—J. B. Tapp, chairman; J. Hodgson.

## HURON DISTRICT.

*Mitchell*—J. Williams. *Coburn*—R. Harley, chairman. *Clinton*—J. Dix. *London*—R. L. Tucker.

The following Table was crowded out of its proper place, to make room for the Mathematical Acknowledgements, page 51.

Table of Semi-Diurnal Arcs, Calculated for the Principal Places in British North America.

Decl.	TORONTO. N. 43° 39' 4.		KINGSTON. N. 40° 80' 0.		HALIFAX, N. S. N. 44° 30' 3.		MONTREAL. N. 45° 31' 4.		FREDERICTON. N. 46° 29' 4.		QUIDEE. N. 46° 49' 2.	
	North.	South.	North.	South.	North.	South.	North.	South.	North.	South.	North.	South.
0	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
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20	6 7-6	5 52-4	6 7-7	5 52-3	6 7-9	5 52-1	6 8-3	5 51-7	6 8-3	5 51-7	6 8-5	5 51-5
30	6 11-5	5 48-5	6 11-7	5 48-3	6 11-9	5 48-1	6 12-2	5 47-8	6 12-5	5 47-5	6 12-7	5 47-3
40	6 15-3	5 44-7	6 15-5	5 44-5	6 15-9	5 44-1	6 16-3	5 43-7	6 16-6	5 43-4	6 17-1	5 43-0
50	6 19-1	5 40-9	6 19-4	5 40-6	6 19-9	5 40-3	6 20-3	5 39-7	6 20-7	5 39-3	6 21-3	5 38-7
60	6 22-9	5 37-1	6 23-3	5 36-7	6 23-8	5 36-2	6 24-4	5 35-6	6 24-9	5 35-1	6 25-6	5 34-6
70	6 26-7	5 33-3	6 27-2	5 32-8	6 27-8	5 32-2	6 28-5	5 31-5	6 29-1	5 30-9	6 29-8	5 30-2
80	6 30-5	5 29-5	6 31-1	5 28-9	6 31-8	5 28-2	6 32-6	5 27-4	6 33-1	5 26-9	6 34-1	5 25-9
90	6 34-8	5 25-2	6 35-3	5 24-7	6 36-2	5 23-8	6 37-1	5 22-9	6 37-9	5 22-1	6 38-9	5 21-1
100	6 38-7	5 21-3	6 39-4	5 20-6	6 40-3	5 19-7	6 41-4	5 18-6	6 42-2	5 17-8	6 43-3	5 16-7
110	6 42-7	5 17-3	6 43-5	5 16-5	6 44-5	5 15-5	6 45-7	5 14-3	6 46-5	5 13-5	6 47-8	5 12-2
120	6 46-8	5 13-2	6 47-6	5 12-4	6 48-2	5 11-8	6 50-0	5 10-0	6 50-9	5 9-1	6 52-4	5 7-6
130	6 51-0	5 9-0	6 51-8	5 8-2	6 53-0	5 7-0	6 54-4	5 5-8	6 55-4	5 4-6	6 56-3	5 3-7
140	6 55-1	5 4-0	6 56-0	5 4-0	6 57-4	5 2-6	6 58-8	5 1-2	6 59-9	5 0-1	7 1-6	4 58-4
150	6 59-2	5 0-8	7 0-2	4 59-8	7 1-7	4 58-3	7 3-2	4 56-8	7 4-5	4 55-5	7 6-3	4 53-7
160	7 3-6	4 56-4	7 4-7	4 55-3	7 6-2	4 53-8	7 7-9	4 52-1	7 9-2	4 50-8	7 11-4	4 48-6
170	7 8-0	4 52-0	7 0-0	4 51-0	7 10-7	4 49-3	7 12-6	4 47-4	7 14-1	4 45-9	7 16-0	4 44-0
180	7 12-3	4 47-7	7 13-5	4 46-5	7 15-4	4 44-6	7 17-3	4 42-7	7 18-7	4 41-3	7 21-0	4 39-0
190	7 16-7	4 43-3	7 18-1	4 41-9	7 20-1	4 39-9	7 22-0	4 38-0	7 23-7	4 36-3	7 26-1	4 33-0
200	7 21-2	4 38-8	7 22-6	4 37-4	7 24-8	4 35-2	7 26-9	4 33-1	7 28-5	4 31-5	7 31-3	4 28-7
210	7 25-0	4 34-0	7 27-5	4 32-5	7 29-7	4 30-3	7 32-1	4 27-9	7 34-0	4 26-0	7 36-6	4 23-9
220	7 30-7	4 29-3	7 32-3	4 27-7	7 34-7	4 25-3	7 37-2	4 22-8	7 39-1	4 20-9	7 41-7	4 18-3
230	7 35-6	4 24-4	7 37-3	4 22-7	7 39-8	4 20-2	7 42-4	4 17-6	7 44-5	4 15-6	7 47-6	4 12-4
240	7 40-4	4 19-6	7 42-3	4 17-7	7 44-9	4 15-1	7 47-8	4 12-2	7 50-0	4 10-0	7 53-4	4 6-6

## PROVINCIAL OBSERVATORY, TORONTO.

In charge of Professor Chapman and four Non-Commissioned Officers of the Royal Artillery.

## CATTLE FAIRS.

At Embro, County of Oxford, on 3rd Wednesday in Oct. At Woodstock, County of Oxford, on 3rd Thursday in Oct.

[We trust that the Presidents of all Agricultural Societies in Canada will furnish us with similar information for our next year's issue.]

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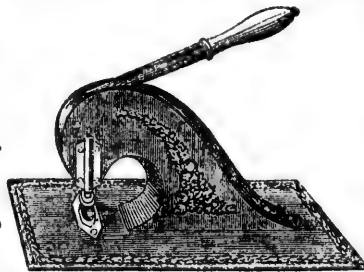
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